

Roland

Roland V-Drums Catalog 2009 Vol.2

V-Drums



**New possibilities for drums,
creativity begins here**

Explore a new world of sound and control.
The drum kit redefined.
Complete freedom of expression.
Experience the revolutionary power of V-Drums.

In the quest to meet the needs of every drummer,
Roland continues to strengthen and expand its award-winning line of V-Drums,
while steadfastly adhering to the highest quality standards.

When you play V-Drums, you can feel and hear the quality.
Experience a new world of expression, creativity, and inspiration that only V-Drums can offer.
V-Drums have become the global standard for drummers of every style and skill level.

Artists with V-Drums



Neil Peart



Daniel Erlandsson



Dirk Brand



Gregg Bissonette



Johnny Rabb



Michael Schack



Thomas Lang



Omar Hakim

V-Pro Series

With Quality Improvements from Top to Bottom, the V-Pro Series Is Ready to Shine Onstage

The new TD-20KX V-Pro series makes a full-impact impression onstage with its industrial brushed-metal* V-Pads, enlarged V-Kick, silver-colored V-Cymbals, and rock-solid chrome drum rack. The TD-20X drum module is loaded with hundreds of powerful and expressive sounds, and provides a newly integrated feature set that's based on Roland's famous TD-20 and TDW-20. Eye-catching looks, incredible sounds, and reinforced hardware make the TD-20KX a star on any stage.

*Synthetic material with authentic brushed-metal appearance.

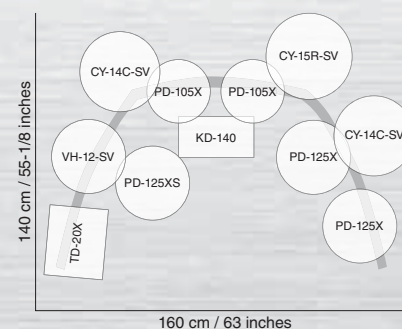


TD-20KX

V-Pro Series TD-20KX

V-Pro Series TD-20KX Kit Configuration

TD-20X	Percussion Sound Module	x 1
PD-125XS	V-Pad Snare	x 1
PD-105X	V-Pad	x 2
PD-125X	V-Pad	x 2
VH-12-SV	V-Hi-Hat	x 1
CY-14C-SV	V-Cymbal Crash	x 2
CY-15R-SV	V-Cymbal Ride	x 1
KD-140	V-Kick	x 1
MDS-25	Drum Stand	x 1



*Select a snare stand that can accept a 12-inch diameter fixed snare.
*A mesh material is used for the head of the KD-140. The use of plastic beaters is recommended because felt and wood beaters wear out quickly.



*Drum stand, snare stand, hi-hat stand and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

Color Variation

The V-Pro series features a custom covering system that lets you easily change shell color by simply replacing shell wraps to the V-Pads (shell wraps sold separately). Roland will provide two optional shell wrap packages, metallic blue and metallic red.



*Connection cables are partially hidden for photography purposes.

CV-20KX-BU Shell Wrap Package for TD-20KX

New custom finish package in blue brushed metal*.

[Contents]

- For PD-125X/125XS x 3
- For PD105X x 2 ■ For KD-140 x 1



*Connection cables are partially hidden for photography purposes.

CV-20KX-RD Shell Wrap Package for TD-20KX

New custom finish package in red brushed metal*.

[Contents]

- For PD-125X/125XS x 3
- For PD105X x 2 ■ For KD-140 x 1



*Synthetic material with authentic brushed-metal appearance. CV-20KX contains shell-wrap only; V-Pad not included.

V-Stage Series

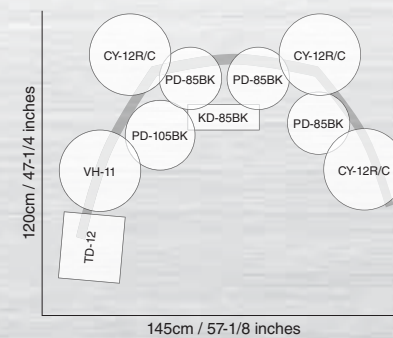
Professional Quality in a Compact Kit

Great feeling, great sounding — the V-Stage Series TD-12KV makes the middle range of the V-Drums line feel like first class. With mesh V-Pads all the way around, the TD-12KV lets drummers experience the best-feeling pads in the business. The TD-12 percussion sound module share the same sound quality as the flagship TD-20.

V-Stage Series TD-12KV-BK

V-Stage Series TD-12KV-BK

TD-12	Percussion Sound Module	X 1
PD-105BK	V-Pad (for Snare)	X 1
PD-85BK	V-Pad	X 3
VH-11	V-Hi-Hat	X 1
CY-12R/C	V-Cymbal Ride/Crash	X 3
KD-85BK	V-Kick	X 1
MDS-12BK	Drum Stand	X 1



*A mesh material is used for the head of the KD-85BK. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.

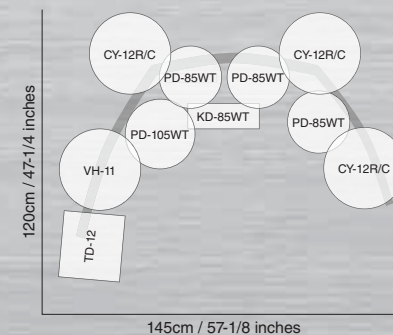


*Drum stand, hi-hat stand and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

V-Stage Series TD-12KV-WH

V-Stage Series TD-12KV-WH

TD-12	Percussion Sound Module	X 1
PD-105WT	V-Pad (for Snare)	X 1
PD-85WT	V-Pad	X 3
VH-11	V-Hi-Hat	X 1
CY-12R/C	V-Cymbal Ride/Crash	X 3
KD-85WT	V-Kick	X 1
MDS-12BK	Drum Stand	X 1



*A mesh material is used for the head of the KD-85WT. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.



*Drum stand, hi-hat stand and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

TD-12KV-BK

V-Tour Series

Mid-Line Gets a First-Class Upgrade

For any type of gig, the V-Tour series enables the nuance of authentic drumming and more.

The TD-9 sound source delivers powerful, high-quality sound that cuts through the densest mixes. V-Tour kits also allow you to record and play along with backing songs and improve your drumming with Scope function. The sturdy MDS-9 drum stand provide the strength and flexibility to configure your kit exactly how you want it, and keep it firmly in place.

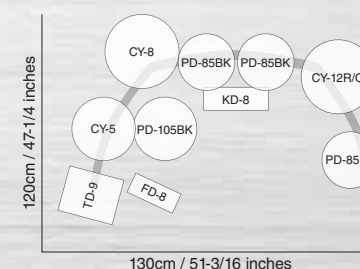
V-Tour Series TD-9KX

The TD-9KX, with mesh-head V-Pads, is equipped many features of Roland's top-line models, including a 10-inch PD-105 snare and CY-12R/C V-Cymbal with three-way triggering.

V-Tour Series TD-9KX

TD-9	Percussion Sound Module	X 1
PD-105BK	V-Pad (for Snare)	X 1
PD-85BK	V-Pad	X 3
CY-12R/C	V-Cymbal Ride/Crash	X 1
CY-8	Cymbal Pad	X 1
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-9	Drum Stand	X 1

*TD-9 supports the rim-triggering on the V-Pads (Mesh) for Toms and the 3 way-triggering with CY-12R/C for Ride.



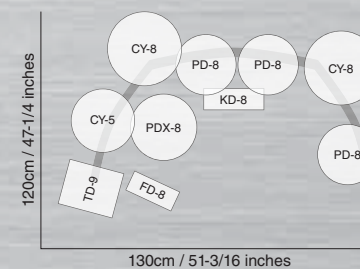
*Drum stand, and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

V-Tour Series TD-9K

This popular kit features a 10-inch PDX-8 snare pad and PD-8 tom pad that responds beautifully to dynamics. The design of the TD-9 inspires expressive performance.

V-Tour Series TD-9K

TD-9	Percussion Sound Module	X 1
PDX-8	V-Pad (for Snare)	X 1
PD-8	Pad	X 3
CY-8	Cymbal Pad	X 2
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-9	Drum Stand	X 1



*Drum stand, and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

V-Compact Series

The V-Compact Series Has Rhythm-training Features to Improve Skills and Spark Creativity

The V-Compact series offers a variety of valuable built-in training functions, such as Quick Rec and Rhythm Coach for practicing at home and evaluating progress. Improve timing, speed, and endurance with this interactive and innovative approach to training. Learning has never been this fun.

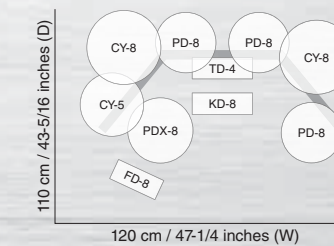
V-Compact Series TD-4K

The PDX-8 V-Pad with 10" rim is an ideal snare pad. Its patented mesh-head design and enlarged surface lets drummers play comfortably and naturally at home or onstage.

V-Compact Series TD-4K

TD-4	Percussion Sound Module	X 1
PDX-8	V-Pad (for Snare)	X 1
PD-8*	Pad	X 3
CY-8	Cymbal Pad	X 2
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-4	Drum Stand	X 1

*PD-8 is used as a single trigger pad for the TD-4.



*Drum stand and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

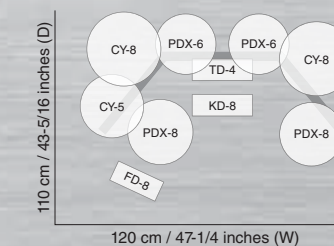
V-Compact Series TD-4KX

The TD-4KX features V-Pads with a 10" rim for snare, floor-tom pad, and 8" rims for hi-toms. It's an entry-level kit yet has professional mesh heads for comfort and response.

V-Compact Series TD-4KX

TD-4	Percussion Sound Module	x 1
PDX-8	V-Pad (Snare, Tom 3)	x 2
PDX-6	V-Pad (Tom 1, Tom2)	x 2
CY-8	Cymbal Pad	x 2
CY-5	Cymbal Pad	x 1
KD-8	Kick Pad	x 1
FD-8	Hi-Hat Control Pedal	x 1
MDS-4	Drum Stand	x 1

*V-Pads for toms are used as a single trigger pad for the TD-4.



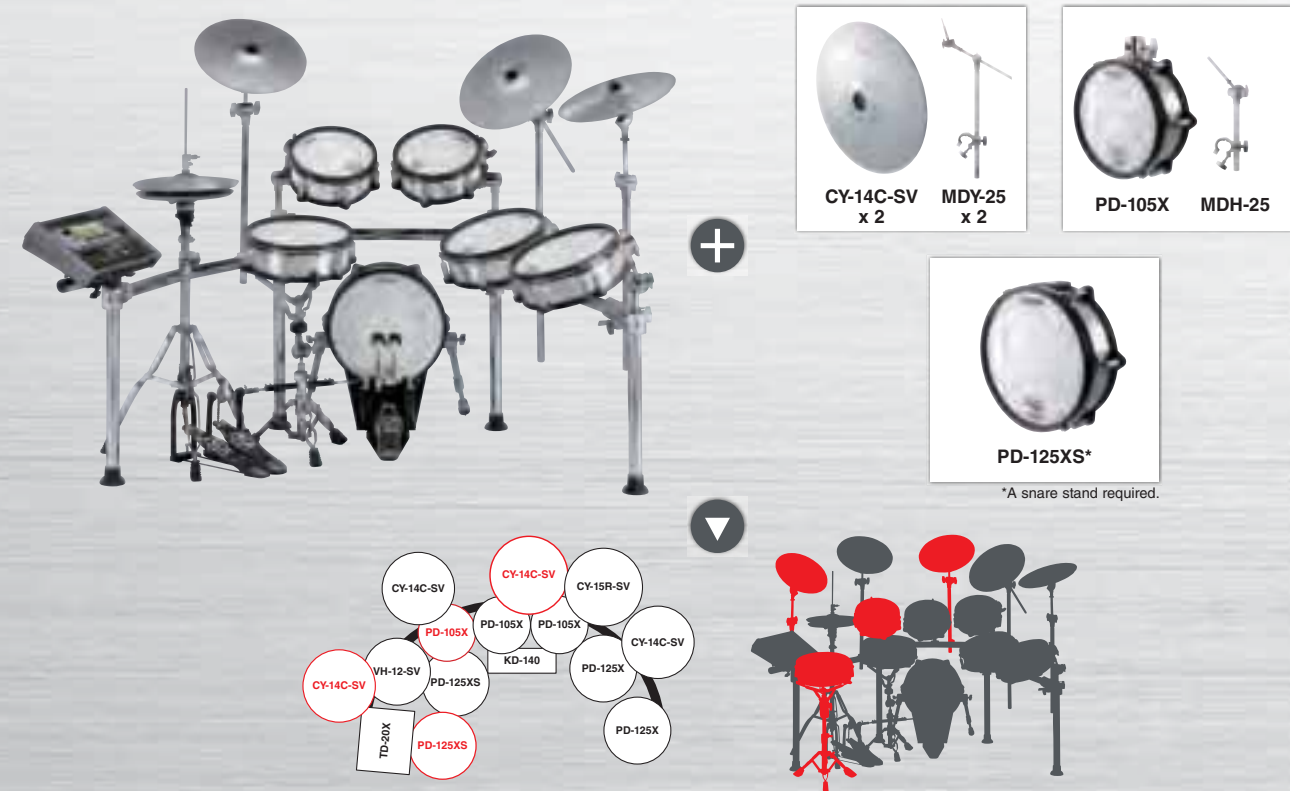
*Drum stand and kick pedal not included and shown only for photography purposes.
*Connection cables are partially hidden for photography purposes.

TD-4K

Options for Adding to V-Drum Kits

V-Pro Series **TD-20KX**

Expand the TD-20KX with two additional CY-14C-SV crash cymbals, PD-125XS second snare, and PD-105X high tom plus mounting hardware, as illustrated in the diagram.



V-Stage Series **TD-12KV**

Expand the TD-12KV with an additional CY-5 splash cymbal and PD-85BK tom plus mounting hardware, as illustrated in the diagram.



V-Tour Series **TD-9KX**

Expand the TD-9KX with an additional CY-8 crash cymbal and PD-85BK tom plus mounting hardware, as illustrated in the diagram.



V-Tour Series **TD-9K**

Expand the TD-9K with an additional CY-12R/C ride/crash cymbal and PD-8 tom plus mounting hardware, as illustrated in the diagram.



V-Compact Series **TD-4KX**

Expand the TD-4KX by replacing the ride cymbal to a CY-12R/C three-way triggering V-Cymbal. Also replace the hi-hat to a VH-11 V-Hi-Hat.



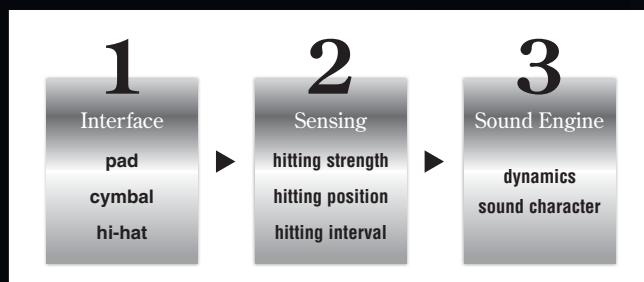
Creativity of V-Drums File No.1

Percussion Sound Module

Since their debut over a decade ago, Roland V-Drums have become the most sought-after electronic percussion instruments in the world. Through bold innovation and constant evolution, Roland has refused to limit what an electronic drum can be. In the process, V-Drums have redefined the concept of drums as musical instruments. What has elevated the V-Drums to such a high level of refinement, and how do they meet the expectations of drummers? Here you can find out about Roland's developmental approach and accumulated know-how.

Focus, innovation, dedication — Roland's commitment producing the finest and most innovative musical instruments

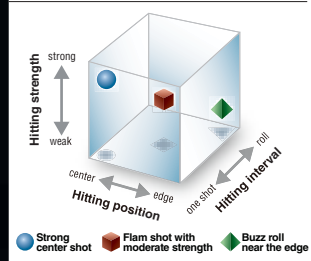
Our attention has constantly been focused on bringing the musical qualities of instruments to a higher level. Over the decades, we have remained committed to producing uncompromised musical instruments, and V-Drums have been a crowning achievement. To raise the overall power of V-Drums, we have focused on three key factors: (1) interface – V-Pads, V-Cymbals, V-Hi-Hat, etc.; (2) sensing – shot strength, positioning, accurate detection of impact; and (3) sound engine – expressiveness of the sound itself. With each element perfectly and delicately intertwined, and with priority given to providing a supreme playing experience for the drummer, V-Drums have become the undisputed world leader in electronic percussion.



Dynamic interval control provides authentic and natural tonal change

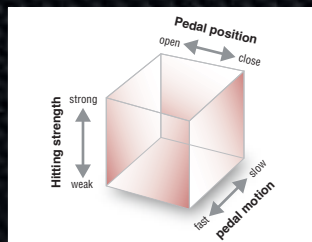
One of the TD-20X and TDW-20's outstanding features is its dynamic interval control, which enables smooth and natural tonal change. Every element that gives a different characteristic to your playing, such as stroke intervals in rolls, shot dynamics, flams, and pad strike positions, are instantly detected and simultaneously processed. Thanks to its immediate and intelligent response, the TD-20X makes you forget you're playing an electronic kit, and lets you focus on your performance.

Dimensions of Expression



Significantly improved V-Hi-Hat dynamics and pedal response

The excellent articulation of the V-Hi-Hat is another winning feature of the TD-20X and TDW-20. As well as greatly improved hi-hat dynamics and pedal position detection, it delivers a tremendous improvement in pedal response thanks to new pedal-motion detection that facilitates continual sound changes as the hi-hat moves from the closed to half-open positions.



Sound quality that spec sheets can't convey

Specifications such as memory capacity, bit depth, and sampling rate are useful and informative, but when it comes to V-Drums, the sound is on a higher plane than mere spec sheets can convey. Simply put, Roland creates electronic drums that are true musical instruments, and it all starts with meticulous attention to detail. From the very first recording sessions, our master engineers scrutinize every detail, from the player to the recording equipment to the studio itself. But beyond the technology at hand, they also listen for factors that don't exist on spec sheets. Their aim is quality sound that also strikes chords of feeling and emotion. It's technology with soul.

A rich and wide variety of sounds

The TD-20X combines the features of Roland's TD-20 and TDW-20 in one unit, with hundreds of expressive, dynamic sounds onboard, plus new ambience and the latest V-Edit including Kit Resonance.

Amazing sounds on board the TD-20X

Acoustic	From delicate to thunderous, the new acoustic drum sounds let you play with authentic dynamics. As well as popular sounds that span a wide range of recording and live situations, newly added sounds include stacked cymbals, 8-inch tom, and 10-inch snare drum.
Vintage	Faithful simulation of vintage drums that has colored the history of music, including unique and practical sounds.
Processed/Electronic	This set has been strengthened to match the needs of genres that use processed sounds. The electronic sounds come with dynamic pitch bending capabilities for adding distinctive touches to your drumming style.
Percussion sounds	A world of percussion instruments is at your fingertips, including congas, bongos, cajon, Japanese taiko, and dozens more.

Stronger V-Edit capabilities, greater freedom to customize

The TDW-20 upgrade is a substantial step up for the TD-20, which is already renowned for its editing capabilities. In addition to new parameters and enhanced variability, the TDW-20 offers other functions to maximize the expressive capabilities of the TD-20.

Head Type/Tuning

Here you can choose the type of drum head (such as clear, coated, and Pinstripe*) and adjust the pitch. *Pinstripe is a registered trademark of Remo Inc. U.S.A



Shell Material/Depth

Build your own snare drum with COSM-modeled shell material, such as wood, brass, and steel. The depth of the kick and toms can also be changed.



Cymbal Size

Here you can change the size of your cymbal from 1–40 inches.



Muffling/Strainer Adjustment

Add a "doughnut-style" muffler on the snare or a weighted-type muffler on the bass drum. The snare strainer can also be adjusted.



Sizzle

Add realistic sizzle to your cymbal with modeled rivets, a chain, or beads, and adjust the amount of sizzle. *The TD-12 only has rivets.



Enhanced and higher resolution ambience capabilities

The TDW-20 offers fine detail of its high-resolution ambience effects, including 15 new types of rooms. The menu includes Booth, Studio, and other choices optimized for recording, to Concert Hall, Forum, and settings best suited to live performance. Bringing the total to six, three more types of Walls have been added, with adjustable wall-material choices. The onboard stereo effects provide outstanding spatial depth and richness.

Snare Buzz/Kit Resonance

When the bass drum is struck, the resonance of the entire drum kit is simulated. Add realistic snare drum buzz to give your kits more expression.



*Only the TD-12 allows buzz to be switched on and off. *TD-20X only

Ambience Room Type

Ambience is an effect that simulates the acoustics of the location in which you're performing. You can vary the effect that's applied by adjusting the size of the room, the material of the walls, and the position of the microphone.



Improved user interface for ease of use and control

Instant selective function of the Drum Kit Settings saved on a card, as well as the presets of TDW-20 and TD-20, without preloading. Strainer activation and deactivation, switching of effects, and other controls that can be operated by pad switches and footswitches have been added. Headphone out can now be used as monitor out.

Mic Position

Choose the placement of your virtual microphones.



Output assignments/Master compressor

Specify the output destination for each PAD, and use the onboard master compressor to add punch and power.



Expansion Board for TD-20

TDW-20 COSM

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TDW-20 is an expansion board custom designed for the TD-20 sound module.

By simply inserting the TDW-20 into the TD-20's expansion slot, you can upgrade your kit to a TD-20X in terms of the number of drum instruments and kits, and overall system performance.

Percussion Sound Module **TD-20X**

V-EDIT	Interval Control	Ambience Effect	Multi Effects	6 Parts Sequencer	8 Direct Outputs
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COSM V-LINK

Flagship V-Drums Sound Module — A New Level of Performance and Quality

The TD-20X is the flagship of the V-Drums series, setting a new standard for sound quality, expression, and realism. In perfect response to the drummer's technique, the TD-20X reacts to the precise force of a hit, the location of the stick hitting the head (including rim shots and cross-sticking), and the interval and tonal inflections between hits. The TD-20X's onboard drum and percussion library contains 920 different types of instruments, and its V-Edit function can be used to create 21,657,039 variations, enabling a universe of personalized instrument types and ambient environments.

Professional Performance for the Studio and Stage

All aspects of TD-20X have been designed for the demanding pro. With its group-fader feature, output assign, and dedicated headphone volume, the TD-20X offers drummers a wide range of options for studio and stage. It also comes with an advanced ambience function, compressors that can be individually configured for each pad, 3-band EQ, and 14 types of multi-effects. You can also use the master compressor and master EQ for entire kit.

Excellent Expansion Options

The TD-20X can be expanded via 15 trigger inputs for adding more pads. It also comes with eight direct outputs and a digital output that can be used for a variety of applications. You can also use a compact flash drive to store up to 99 TD-20X setups for easy management of your sound library and for trading sounds with other TD-20X users.



REAR PANEL



SPECIFICATIONS

• **Sound Generator** Variable Drum Modeling • **Maximum Polyphony** 64 Voices • **Instruments** Drum Instruments: 920, Backing Instruments: 262 • **Drum Kits** 100 • **Drum Kit Chains** 16 chains (32 steps per chain) • **Instrument Parameters** V-EDIT (KICK): Shell Depth, Beater Type, Head Type, Head Tuning, Muffling, Snare Buzz, Mic Position, Mic Size, Kit Resonance, V-EDIT (SNARE): Shell Material, Shell Depth, Head Type, Head Tuning, Muffling, Strainer Adjustment, Mic Position, Add Rim Sound, Add Rim Sound Level, V-EDIT (TOM): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, Mic Position, V-EDIT (HI-HAT): Cymbal Size, Add Sound, Add Sound Level, Mic Position, Fixed Hi-Hat, V-EDIT (CYMBAL): Cymbal Size, Sizzle Type, Sizzle Amount, Sustain, Mic Position, EDIT: Pitch, Decay, Dynamic Bend, Bend Depth, Bend Time • **Ambience Parameters** Room Type (25 types), Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan, Minimum Volume, Ambience Send Level, Multi-Effects Send Level, Output Assign • **Effect Types** Pad Equalizer (each pad), Pad Compressor (each pad), Multi-Effects: 13 types, Master Compressor, Master Equalizer, Reverb (for backing part), Chorus (for backing part) • **Percussion Sets** 8 • **Sequencer** User Patterns: 100, Preset Patterns: 150, Parts: 6, Play Type: Oneshot, Loop, Tap, Tempo: 20—260, Resolution: 192 ticks per quarter note, Recording Method: Realtime, Maximum Note Storage: approx. 20,000 Notes, Click Instruments: 20 • **Display** 64 x 240 dots (backlit graphic LCD), 7 segments, 3 characters (LED), Trigger Level Indicator (LED) • **Faders** 8 • **Preview Button** • **Connectors** Trigger Input Jack x 15, Hi-Hat Control Jack (VH series, FD series), Master Output Jacks (L/MONO, R), Direct Output Jack x 8, Digital Output Jack (COAXIAL type, 44.1 kHz / 24-bit), Headphones Jack (Stereo 1/4 inch phone type), Mix in Jack (Stereo 1/4 inch phone type), MIDI Connectors (IN, OUT/THRU), Foot Switch Jack (1/4 inch TRS phone type), CompactFlash Card Slot, AC Inlet • **Output Impedance** 1.0 k ohms • **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) • **Power Consumption** 16 W • **Dimensions** 307 (W) x 256 (D) x 105 (H) mm / 12-1/8 (W) x 10-1/8 (D) x 4-3/16 (H) inches • **Weight** 2.7 kg / 6 lbs • **Accessories** Owner's Manual, Power Cord

*The TD-20X's file system is developed by Kyoto Software Research, Inc. Fugue ©2009 Kyoto Software Research, Inc. All rights reserved.



Percussion Sound Module **TD-12**

V-EDIT	Interval Control	Ambience Effect	Multi Effects	6 Parts Sequencer	2 Direct Outputs
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COSM V-LINK

Unbeatable Sound

With the same stunning sound quality as the flagship TD-20X, the TD-12 drum module provides hundreds of expressive instruments and play-along sequences in a streamlined, affordable package. Many of the sounds in the TD-12, from drums to cymbals, are COSM modeled for the ultimate in expression and realism. The module provides the same large, icon-based LCD as its big brother (TD-20X), and is housed in a road-tough, metallic black chassis with a friendly array of buttons, controls, and mix sliders. Twelve trigger inputs are provided, plus four audio outputs and MIDI I/O.

Unrivaled V-Editing

Enjoy the dozens of expert-programmed kits in the TD-12 — from authentic acoustic sets to ultra-modern electronic flavors. But the fun doesn't stop there; customize your snare drum, toms, bass drum, and cymbals with the modeling-based V-Editing. Change sizes and materials, attach sizzles to cymbals, add snare buzz, and more. Then get out your sticks and enjoy! The TD-12 supports positional sensing on the snare and ride, as well as on the toms when you play rimshots. The TD-12 is also brush compatible, and features the authentic Interval Control feature for the snare and ride/crash/china cymbal, which varies the sound in natural ways based on the speed of stroke repetition.

Tap Into a New World of Style and Groove

From rich studio kits to bombastic arena monsters, the TD-12 can deliver amazingly authentic drum and percussion sounds. Pop, rock, jazz, hip-hop, you name it — the TD-12 has you covered. But in addition to its acoustic-modeled kits, the TD-12 also offers a crop of edgy, fun, and experimental sets that have been created for unique, modern music creation. With an emphasis on fun, these kits are laced with colorful COSM processing, filter fluctuations, auto-roll effects, tap-sequence patterns, loop patterns, and more. Let the inspiration begin! And if you want to build your chops (or perhaps steal the show), fire off one of the 150 patterns built into the TD-12 and play along.



REAR PANEL



SPECIFICATIONS

• **Sound Generator** Variable Drum Modeling • **Maximum Polyphony** 64 Voices • **Instruments** Drum Instruments: 560 (172,161 variations), Backing Instruments: 262 • **Drum Kits** 50 • **Drum Kit Chains** 16 chains (32 steps per chain) • **Instrument Parameters** V-EDIT (KICK): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, V-EDIT (SNARE): Shell Material, Shell Depth, Head Type, Head Tuning, Muffling, Strainer Adjustment, V-EDIT (TOM): Shell Depth, Head Type, Head Tuning, Muffling, Snare Buzz, V-EDIT (HI-HAT): Cymbal Size, Fixed Hi-Hat, V-EDIT (CYMBAL): Cymbal Size, Sizzle Type, Sustain, EDIT: Pitch, Decay • **Ambience Parameters** Room Type, Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan, Minimum Volume, Output Assign • **Effect Types** Pad Equalizer (each pad), Pad Compressor (each pad), Multi-Effects: 5 types, Reverb (for backing part) • **Percussion Sets** 8 • **Sequencer** User Patterns: 100, Preset Patterns: 150, Parts: 6, Play Types: Oneshot, Loop, Tap, Tempo: 20—260, Resolution: 192 ticks per quarter note, Recording Method: Realtime, Maximum Note Storage: approx. 20,000 notes, Click Sounds: 20 types • **Metronome Parameters** Time signature, Interval, Volume, Output select (Master and Phones/Phones only) Click Instruments=20 (Voice counting, Click, Cowbell, etc.) • **Tempo** 20—260 • **Display** 64 x 240 dots (backlit graphic LCD), 7 segments, 3 characters (LED), Trigger Indicator (LED) • **Controllers** Faders: 6, Preview Button: (velocity: 3 steps) • **Connectors** Trigger Input Jack x 12, Hi-Hat Control Jack (for VH-12, VH-11 and FD-8), Master Output Jacks (L/MONO, R): 1/4 inch phone type, Direct Output Jacks (1, 2): 1/4 inch phone type, Headphones Jack: Stereo 1/4 inch phone type, Mix in Jack: Stereo 1/4 inch phone type, MIDI Connectors (IN, OUT/THRU), AC Inlet • **Output Impedance** 1.0 k ohms • **Power Supply** AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz) • **Power Consumption** 13 W • **Dimensions** 260 (W) x 248 (D) x 108 (H) mm, 10-1/4 (W) x 9-13/16 (D) x 4-1/4 (H) inches • **Weight** 2.6 kg / 5 lbs 12 oz • **Accessories** Owner's Manual, Power Cord

Percussion Sound Module **TD-9**

Quick Rec/Play Scope Ambience Effect USB

Experience the performance power of V-drumming

Over 500 high-quality sounds are built into this impressive sound module. With the ability to customize snare tuning, muffling, cymbal size, sustain, and more, you can create your own personalized drum kits. Another great feature of the TD-9 is its ability to incorporate audio data in its 50 backing songs for realistic and inspiring playback. Enjoy practicing with backing songs sourced from first-class musicians. The Quick Rec/Play function is a great way to gauge your performance; a single button enables recording and playback of playing during minus-one accompaniment.

Easy-to-use interface with Scope feature

With its clean, friendly panel layout, the TD-9 is a breeze to use at home and onstage. In addition to its illuminated buttons, the stylish front panel contains a large and easily readable LCD that displays sound, tempo, and other vital information. When the Scope function is activated, the LCD graphically shows the timing of your performance. With both visual and aural reference, you can more effectively cultivate and maintain the rudimentary skills essential to drumming.

Unique features that only V-Drums provide

The TD-9 beautifully conveys the dynamics and nuance of your playing with features such as 3-way triggering on the V-Cymbal ride and support for rim shots on toms and snare. Other features enhance performance, such as the USB connector, which lets you incorporate audio data (wav files) — great for “one-man-band type” performances. You can also use the USB port to save data externally. The TD-9 is equipped with a metronome function and a Mix input to enable practice with songs from CD or digital-audio players. Inputs are also provided for adding pads and triggers* for a personalized setup.

*While the TD-9 uses a dedicated pad-input connector cable, there are also separate expansion jacks for two other trigger-input types (CRASH2, AUX).



TOP PANEL



SIDE PANEL



SPECIFICATIONS

• **Instruments** Drum Instruments: 522 • **Drum Kits** 50 • **Instrument Parameters** KICK: Head Tuning, Muffling, SNARE: Head Tuning, Muffling, TOM: Head Tuning, Muffling, HI-HAT: Cymbal Size, Fixed Hi-Hat, CYMBAL: Cymbal Size, Sustain, Others: Pitch, Decay • **Effect Types** Ambience (9 Types), 2-Band Equalizer • **Ambience Parameters** Room Type, Room Size, Wall Type, Mic Position, Room Shape • **Mixer Parameters** Volume, Pan • **Percussion Set 1** • **Song** Preset Songs: 50, Parts: 4, Play Functions: One shot, Loop, Repeat, Tempo: 20-300 • **Quick Rec** Resolution: 480 ticks per quarter note, Recording Method: Real-time, Maximum Note Storage: approx. 32,000 Notes • **File Format** Audio File: WAV • **Display** 64 x 128 dots Graphic Type LCD (backlit LCD) • **Connectors** Trigger Input connector (DB-25 type), (Kick, Snare, Tom1, Tom2, Tom3, Hi-Hat, Crash1, Ride, Ride Bell, Hi-Hat Control), Extra Trigger Input Jacks: 2 (CRASH2, AUX) (Stereo 1/4 inch phone type), Output Jacks (L (MONO), R) (Stereo 1/4 inch phone type), Phones Jack (Stereo 1/4 inch phone type), Mix in Jack (stereo miniature phone type), MIDI Connectors (IN, OUT/THRU), USB Connector (for USB Memory) • **Output Impedance** 1.0 k ohms • **Power Supply** AC Adaptor (DC 9 V) • **Current Draw** 500 mA • **Dimensions** 160 (W) x 88.5 (D) x 259.5 (H) mm / 6-5/16 (W) x 3-1/2 (D) x 10-1/4 (H) inches • **Weight** 850 g / 1 lb 14 oz (excluding AC Adaptor) • **Accessories** Owner's Manual, Quick Start Guide, AC Adaptor (PSB-1U), Special Connection Cable, Wing Bolt (M5 x 10) x 2, Sound Module Mounting Plate

Percussion Sound Module **TD-4**

Coach Quick Rec Ambience Effect USB

Custom Controls

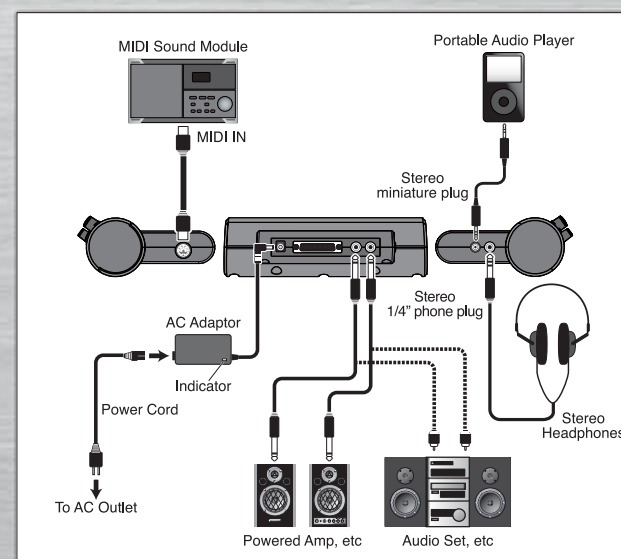
Drum sounds onboard the TD-4 can be customized to suit your personal style. Just like with a real acoustic drum set, the TD-4's kick, snare, and toms can be tuned up or down quickly across a wide range. The amount of muffling can be user-customized as well, from '70s-style choked funk to open-cannon stadium rock.

Coach Mode

The TD-4 is equipped with Roland's acclaimed Coach Mode, which helps you build speed, stamina, and accuracy. Five skill-building exercises are onboard, including the new Warm Ups that let you practice different exercises consecutively for 5, 10, or 15 minutes. The new Tempo Check also helps you keep consistent time by lowering the metronome volume when you are playing accurately, and raising the click volume when you are playing out of time.

Quick REC

The TD-4's "Quick REC" feature lets you immediately record and play back your performance. It's a great tool for listening objectively to what you've played, and charting your progress. And don't forget the TD-4's built-in metronome for keeping yourself in perfect time.



REAR PANEL



D-Sub connector OUTPUT

SIDE PANEL



MIDI OUT



MIX IN PHONES

SPECIFICATIONS

• **Drum Instruments** 125 • **Drum Kits** 25 • **Instrument Parameters** KICK, SNARE, TOM, PERC: Tuning, Muffling • **Mixer Parameters** Pad Volume, Pan, Kit Volume, Cross Stick Volume • **Ambience Types** 9 • **Coach Mode** Warm Ups, Time Check, Tempo Check, Quiet Count, Auto Up/Down • **Quick Rec** Resolution: 96 ticks per quarter note, Recording Method: Real-time, Maximum Note Storage: approx. 9,000 Notes • **Display** Custom (backlit LCD) • **Connectors** Trigger Input connector (DB-25 type), (Kick, Snare, Tom1, Tom2, Tom3, Hi-Hat, Crash1, Crash2, Ride, Hi-Hat Control), Output Jacks (L (MONO), R) (Stereo 1/4 inch phone type), Phones Jack (Stereo 1/4 inch phone type), Mix in Jack (stereo miniature phone type), MIDI OUT Connector • **Output Impedance** 1.0 k Ω • **Power Supply** AC Adaptor (DC 9 V) • **Current Draw** 500 mA • **Dimensions** 224.0 (W) x 151.1 (D) x 65.1 (H) mm / 8-7/8 (W) x 6 (D) x 2-9/16 (H) inches • **Weight** 477 g / 1 lb 1 oz (excluding AC Adaptor) • **Accessories** Owner's Manual, AC Adaptor (PSB-1U), Special Connection Cable, Wing Bolt (M5 x 10) x 2, Sound Module Mounting Plate • **Options** Pads (PD-8, PDX-8, PD-85, PD-105, PD-125), Cymbals (CY-5, CY-8, CY-12R/C, CY-14C, CY-15R), Kick Triggers (KD-8, KD-85, KD-120), Hi-Hats (VH-11), Hi-Hat Control Pedal (FD-8), Stand (MDS-4), Cymbal Mount (MDY-10U), Pad Mount (MDH-10U), Acoustic Drum Trigger (RT-10K, RT-10S, RT-10T), Personal Drum Monitor: PM-10, PM-30, V-Drums Accessory Package: DAP-3, V-Drums Mat (TDM-20/TDM-10)

Which V-Drums Sound Module is Best For You?

Percussion Sound Module **TD-4**

Coach	Quick Rec	Ambience Effect	USB
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Drum Instruments	125
Drum Kits	25
Preset Songs	—
Trigger Input	8+1
V-EDIT	—
Practice Functions	Coach (Variations: 5)
Interval Control	—
Metronome Sound	8
Group Faders	—
Digital Out	—
V-Hi-Hat Compatibility	VH-11 (Option)
Multi-Effects	—
Quick Rec	○
Data Storage	MIDI



V-Compact Series TD-4K

TD-4	Percussion Sound Module	X 1
PDX-8	V-Pad (for Snare)	X 1
PD-8*	Pad	X 3
CY-8	Cymbal Pad	X 2
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-4	Drum Stand	X 1

*PD-8 is used as a single trigger pad for the TD-4.



V-Compact Series TD-4KX

TD-4	Percussion Sound Module	x 1
PDX-8	V-Pad	x 2
PDX-6	V-Pad	x 2
CY-8	Cymbal Pad	x 2
CY-5	Cymbal Pad	x 1
KD-8	Kick Pad	x 1
FD-8	Hi-Hat Control Pedal	x 1
MDS-4	Drum Stand	x 1

*V-Pads for toms are used as a single trigger pad for the TD-4.

Percussion Sound Module **TD-9**

Quick Rec/Play	Scope	Ambience Effect	USB
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Drum Instruments	522
Drum Kits	50
Preset Songs	50
Trigger Input	8+2
V-EDIT	—
Practice Functions	Scope
Interval Control	—
Metronome Sound	15
Group Faders	—
Digital Out	—
V-Hi-Hat Compatibility	VH-11 (Option)
Multi-Effects	—
Quick Rec	○
Data Storage	USB Key



V-Tour Series TD-9KX

TD-9	Percussion Sound Module	X 1
PD-105BK	V-Pad (for Snare)	X 1
PD-85BK	V-Pad	X 3
CY-12R/C	V-Cymbal Ride/Crash	X 1
CY-8	Cymbal Pad	X 1
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-9	Drum Stand	X 1



V-Tour Series TD-9K

TD-9	Percussion Sound Module	X 1
PDX-8	V-Pad (for Snare)	X 1
PD-8	Pad	X 3
CY-8	Cymbal Pad	X 2
CY-5	Cymbal Pad	X 1
KD-8	Kick Pad	X 1
FD-8	Hi-Hat Control Pedal	X 1
MDS-9	Drum Stand	X 1

Percussion Sound Module **TD-12**

V-EDIT	Interval Control	Ambience Effect	Multi Effects	6 Parts Sequencer	2 Direct Outputs
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Drum Instruments	560
Drum Kits	50
Preset Songs	150
Trigger Input	11
V-EDIT	○
Practice Functions	—
Interval Control	○
Metronome Sound	20
Group Faders	6
Digital Out	—
V-Hi-Hat Compatibility	VH-12/11
Multi-Effects	5
Quick Rec	—
Data Storage	MIDI



V-Stage Series TD-12KV-BK

TD-12	Percussion Sound Module	X 1
PD-105BK	V-Pad (for Snare)	X 1
PD-85BK	V-Pad	X 3
VH-11	V-Hi-Hat	X 1
CY-12R/C	V-Cymbal Ride/Crash	X 3
KD-85BK	V-Kick	X 1
MDS-12BK	Drum Stand	X 1



V-Stage Series TD-12KV-WH

TD-12	Percussion Sound Module	X 1
PD-105WT	V-Pad (for Snare)	X 1
PD-85WT	V-Pad	X 3
VH-11	V-Hi-Hat	X 1
CY-12R/C	V-Cymbal Ride/Crash	X 3
KD-85WT	V-Kick	X 1
MDS-12BK	Drum Stand	X 1

Percussion Sound Module **TD-20X**

V-EDIT	Interval Control	Ambience Effect	Multi Effects	6 Parts Sequencer	8 Direct Outputs
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Drum Instruments	920
Drum Kits	100
Preset Songs	150
Trigger Input	15
V-EDIT	○
Practice Functions	—
Interval Control	○
Metronome Sound	20
Group Faders	8
Digital Out	○
V-Hi-Hat Compatibility	VH-12-SV/12/11
Multi-Effects	13
Quick Rec	—
Data Storage	CF/MIDI



V-Pro Series TD-20X Kit Configuration

TD-20X	Percussion Sound Module	x 1
PD-125XS	V-Pad (Snare)	x 1
PD-105X	V-Pad	x 2
PD-125X	V-Pad	x 2
VH-12-SV	V-Hi-Hat	x 1
CY-14C-SV	V-Cymbal Crash	x 2
CY-15R-SV	V-Cymbal Ride	x 1
KD-140	V-Kick	x 1
MDS-25	Drum Stand (Option)	x 1

Creativity of V-Drums File No.2

V-Pad & V-Kick

Patented mesh head.

The V-Drums' patented mesh heads, co-developed with Remo Inc. (USA), have become a symbol of superiority. Development of the head was inspired by mesh material used in athletic trampolines. Ever since, through new refinements such as the overlaying of two mesh layers, these heads have been delivering both excellent feel, durability, and superb sound damping performance. These heads have changed the history of electronic drums.



Advanced V-Pad Sensor Construction Captures Impact Strength, Stick Position, and Stroke Interval

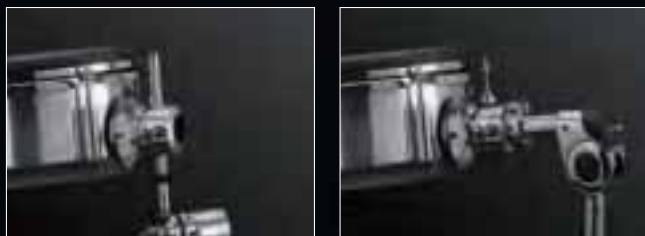
Roland's proprietary V-Pad sensors are an engineering marvel. They detect the slightest nuances of a performance, and transmit precise performance data to the module. In addition, a radial sensor-frame detects hits near the hoop and interacts with the center sensor in a uniform fashion. This allows the sensor to precisely sense performance information during rim shots and cross-stick performances.

Figure of V-Pad structure (PD-125XS, PD-125X, PD-105X)



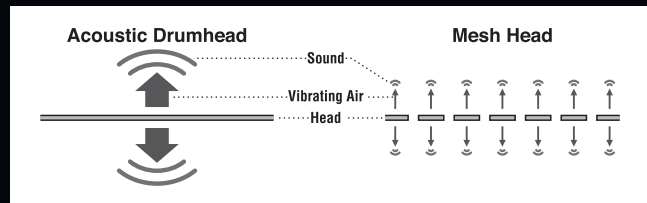
Dual Mount option for Increased Versatility

The PD-125X and 105X have dual mount option that enable to two styles of mounts to be used. This allows you to use vertical rod stands in Roland's MDS series as well as horizontal pipe systems used in other commercially available tom stands. This gives you a broader range of options including the use of other system hardware for your V-Drums setup as well as incorporating V-Pads into your acoustic drum kit.



Acoustically quiet for the ultimate private practice.

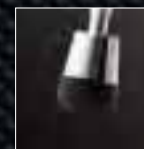
With their patented mesh heads and rubber-coated rims, the V-Pads and V-Kick trigger pads provide exceptional sound damping performance so you can practice at home without disturbing others.



Mesh heads delivers natural feel and comfort.

Sound damping was not the only feature that we pursued in the development of our mesh heads. In order to express the subtle nuances of a performance, we examined a broad range of materials and playing types, in the process making improvements to the material and its thickness, among other factors. These heads are a product of exhaustive research and development in Roland Percussion Product Design Department.

Rock-solid Metal Frame for V-Kick



Rubber

Spike

The KD-140 is a one-piece metal frame that provides pro-grade stability during performances. The tips of the legs can be switched between spikes and rubber stoppers to accommodate a variety of floor surfaces. The pedal plate has been improved so you can securely attach a variety of kick pedals, including double pedals.

Large-diameter V-Kick Pad Looks and Feels Great

The KD-140's oversized pad is perfect for twin-pedal performances and other power-packed poundings, with the V-Drums know-how. The unique shape of the inside cushion provides an extra-wide dynamic response, ranging from gentle to powerful impacts.



CV-20KX-BU Shell Wrap Package for TD-20KX

New custom finish package in blue brushed metal



[Contents]

- Covers for PD-125X/125XS x 3
- Covers for PD-105X x 2
- Cover for KD-140 x 1



CV-20KX-RD Shell Wrap Package for TD-20KX

New custom finish package in red brushed metal



[Contents]

- Covers for PD-125X/125XS x 3
- Covers for PD-105X x 2
- Cover for KD-140 x 1



Changing shell color is as easy as replacing drumheads.

The V-Drums custom covering system lets you change the look of your kit with ease. The new V-Pad lugs are separated from the shell in a new configuration, which allows you to replace shell wrap with the ease of replacing drumheads.

Replace the V-Pad cover sheets (PD-125X, 125XS and 105X):

1 Preparation

Remove the tuning bolts, hoop, head, and frame. Next, loosen the screw with a Phillips-head screwdriver.



2 Remove the covering

Pull the fastening clips upward and remove the covering.



3 Attach the new covering

Insert a new covering and make sure there's no slack.



Replace the V-Kick cover sheet (KD-140):

1 Preparation

Remove the tuning bolts, hoop, and head. Loosen the two wing bolts.



2 Replace the covering

Replace the covering and make sure there's no slack. Reattach all the other parts and you're done!



[Compatible Size of Covers]

- For PD-125XS/PD-125X mm: 77(H) x 927(W) x 1(D), inches: 3-1/16(H) x 36-1/2(W) x 1/16(D)
- For PD-105X mm: 77(H) x 767(W) x 1(D), inches: 3-1/16(H) x 30-1/4(W) x 1/16(D)
- For KD-140 mm: 120(H) x 1,040(W) x 1(D), inches: 4-3/4(H) x 41(W) x 1/16(D)

V-Pad PD-125XS / PD-125X / PD-105X



V-Pad PD-125BK / PD-125WT / PD-105BK / PD-105WT



Our Most Sensitive V-Pads Ever!

How do you improve upon the world's most popular electronic percussion pads? Start by designing a sensor mechanism for more accurate triggering, and then give 'em a cool black or white finish! The 12-inch PD-125BK/PD-125WT and 10-inch PD-105BK/PD-105WT mesh V-Pads

both feature Roland's latest dual-triggering technology, resulting in more even and accurate sensing between the head and rim. They are also the first V-Pads with rimshot capabilities on the toms — including the actual "rim click" sound*. *Rim triggering on toms requires TD-20X, TD-12 or TD-9 Percussion Sound Module.

V-Pads — Sophisticated Style and Perfect Performance

The silver metallic V-Pads are dressed to impress. Shine onstage with silver or customize the look with replaceable covers in metallic red or blue (sold separately). Since the newly constructed lugs float independently from the shell, the covers can be changed as easily as a drumhead. For the ultimate in performance, the patented mesh head, provides a natural feel and excellent sound damping. V-Pads can also sense position, which allows natural tonal

change depending on where on the head you hit -- this includes rim shots and brush performances*. The PD105X (10") are designed for toms and come with a two-way mount holder; PD-125XS (12") is designed for snare use. *TD-9 and TD-4 modules do not support positional sensing and brush performances.

*TD-9 and TD-4 modules do not support positional sensing and brush performances.

V-Pad PD-85BK / PD-85WT

Rimshot-Ready Mesh Pads

The 8" dual-zone V-Pads feature Roland's latest dual-triggering technology, resulting in more consistent and accurate sensing between the head and rim. Built tank-tough and ready to take a pounding, these pads are available in black or white finishes with chrome brackets. When used as tom-toms for the TD-20X and TD-12 sound modules, the pads let you play rimshots, and the sound will change depending on the strength of your stroke.



Mesh Replacement Heads MH-12/10/8

Patented V-Drums Mesh Heads

These replacement mesh heads (developed in partnership with REMO USA) are designed to perfectly fit Roland's full range of V-Pads. *Available as replacement parts.



V-Pad PDX-8

Improved V-Pad for Snare

Roland's mesh V-Pad (PDX-8) offers an expanded 10-inch rim and wider playing area. It separates head and rim triggering for authentic performance.



Pad PD-8

The Rock-Solid, Fast-Action Pad

This durable 8.5 inch rubber pad offers super-accurate triggering and a time-tested design for years of reliable use. The PD-8's dual-trigger capabilities make it perfect for triggering rimshots on the toms or bow/edge sounds on the hi-hat when used with the Roland TD-series percussion modules*.

*The TD-4 does not support rim triggering on the toms.



V-Kick **KD-140**



Oversized V-Kick with Reinforced Hardware

Equipped with a 14" mesh head, the V-Kick offers a substantial look and a great feel. The single-piece metal frame and spiked legs have been designed for structural rigidity and improved stability. It can handle the most demanding footwork, including powerful twin-pedal playing. Equipped with the same mesh head used on V-Pads, the V-Kick not only provides an excellent feel, it accurately senses a wide range of dynamics,

from gentle to jackhammer, and fully exploits the capabilities of the V-Drums sound module. It also has a new and sophisticated look; its front head is combined with a refined-yet-solid chrome-plated hoop for a formidable stage presence.

*A mesh material is used for the head of the KD-140. The use of plastic beaters is recommended because felt and wad beaters wear out quickly.

V-Kick **KD-120BK / KD-120WT**



Natural Triggering with Double Pedal Support

Roland's time-tested KD-120 V-Kick Trigger Pad, is available in black or white finishes to complement the rest of the pads. The 12" V-Kick Trigger Pad offers fast, natural kick-drum triggering, and is compatible with double-bass pedals (sold separately).

V-Kick **KD-85BK / KD-85WT**

A Rock-Solid Foundation

Sink your beater into this solid, great-feeling mesh kick pad — available in black or white finishes. It offers improved pad cushioning for a better feel, and can accommodate double bass pedals (sold separately). Torture-tested for quality assurance, this pad has the stamina and stability to handle the toughest poundings.



Kick Pad **KD-8**

Slim-Line Pedal that Feels Great

The KD-8 Kick Trigger Pad's sturdy, vertical design gives drummers a better feel and solid, accurate triggering. The upright KD-8 can even accommodate double bass pedals (sold separately) — perfect for drummers who want to create complex rhythms. A convenient folding front leg makes transportation easy.



Kick Trigger Unit **KD-7**

Responsive Kick Triggering for Any Percussion Setup

This velocity-sensitive kick drum trigger can be used with a standard kick drum pedal. It features a mix input for chaining two KD-7's together for a double-bass setup, and comes with a beater and connection cable (kick drum pedal not included). The KD-7 is the ideal kick trigger for use with the HPD-15/HPD-10.



Hi-Hat Control Pedal **FD-8**

Perfect for Compact Kits and Roland Percussion Pads

Thanks to Roland's FD-8 Hi-Hat Controller, drummers can get realistic hi-hat sounds with smooth transitions between open and closed. The updated look makes the FD-8 fit perfectly with the striking look of the V-Tour and V-Compact Series.



Comparison chart of pad function * Possible when use with the TD-20X/12.

Model	Size	Color	Head	Mount	Replaceable Covering System	Rim Shot	Positional Sensing	Rim Shots Response
PD-125XS	12 inches	Silver brushed metal	Mesh	can be used with a snare stand	○	○	○*	○*
PD-125X	12 inches	Silver brushed metal	Mesh	Dual mount holder	○	○	○*	○*
PD-105X	10 inches	Silver brushed metal	Mesh	Dual mount holder	○	○	○*	○*
PD-125BK/WT	12 inches	Black/White	Mesh	Vertical Rod	—	○	○*	○*
PD-105BK/WT	10 inches	Black/White	Mesh	Vertical Rod	—	○	○*	○*
PD-85BK/WT	8 inches	Black/White	Mesh	Vertical Rod	—	○	○*	○*
PDX-8	8 inches	Black	Mesh	Vertical Rod	—	○	—	—
PD-8	8.5 inches	Black	Rubber	Vertical Rod	—	○	○*	—

Comparison chart of kick pad function

Model	Size	Color	Head	Twin pedal	Replaceable Covering System
KD-140	14 inches	Silver brushed metal	Mesh	○	○
KD-120BK/WT	12 inches	Black/White	Mesh	○	—
KD-85BK/WT	8 inches	Black/White	Mesh	○	—
KD-8	—	Black	Rubber	○	—
KD-7	—	Black	Rubber	—	—

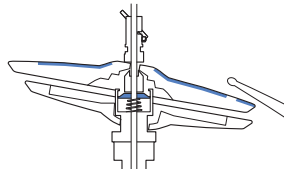
Creativity of V-Drums File No.3

V-Hi-Hat

Advanced Sensor Technology for Ultimate Realism **VH-12**

In creating the world's finest modeled hi-hat, Roland embarked upon a time-intensive mission to create a virtual hi-hat that would perform like the real thing. The winning formula features three different types of sensors on the top of the cymbal's bow, the edge, and in the center of the bottom cymbal where it detects the foot pedal movements. Sophisticated triggering data, such as the distance between the top and bottom cymbals, are detected by having the three sensors working perfectly in sync. The end result is amazing playability and realism, with the same nuances and tonal coloration of an acoustic hi-hat.

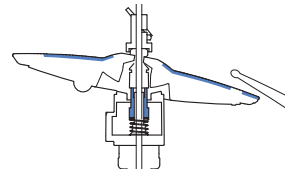
VH-12 Sensors [highlighted in blue]



VH-12 Technology in a Compact, One-Piece Format **VH-11**

Derived from the groundbreaking VH-12 hi-hat, Roland's VH-11 combines two hi-hat cymbals into one with an ingenious one-piece floating design. Amazingly, it performs like a real hat, and provides a realistic up/down pedaled response thanks to the stationary base mounted below the cymbal pad. With the combination of two sensors on the bow and edge, plus a motion sensor unit mounted in the center, subtle nuances (including foot movement) can be achieved. The one-piece design makes for easy setup on conventional hi-hat stands.

VH-11 Sensors [highlighted in blue]



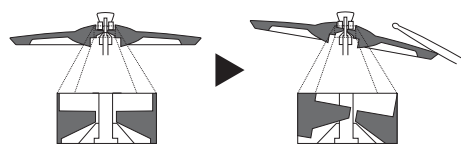
Creativity of V-Drums File No.4

V-Cymbal

Quest For the Perfect V-Cymbal

Developing the ultimate electronic cymbal required the Roland design to create numerous prototypes comprised of a wide range of materials. After extensive research, the team arrived at the perfect combination of internal and exterior materials that are durable and can properly simulate the resistance and swing amount that drummer's feel when an acoustic cymbal is struck.

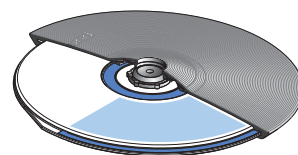
Swing Mechanism of V-Cymbals



The Technology Within

What may look like a simple rubber/plastic disc is actually a sophisticated slice of cutting-edge technology. Inside the V-Cymbal's bell and edge is a thin film-like sensor that lies beneath the rubber playing surface. The sensors detect sticking position, velocity, and edge pressure (for cymbal choking). This complex detection and calculation happens instantly, providing drummers with a realistic and accurate playing experience. A small but important Roland design principle is that the cymbals are not completely round, which minimizes vibration that can cause mis-triggering.

V-Cymbal Explained (CY-15R)



* V-Cymbal Technology for use under one or more of U.S. Pat. Nos. 6,632,989 / 6,881,885 U.S. Patent Pending

Creativity of V-Drums File No.5

Drum Stand

System Hardware Reflects the New V-Drums Look and Power

Every detail of the new V-Drums kit has been analyzed and enhanced, including the hardware. The MDS-25, which supports the entire V-Pro series, is the new flagship drum rack. It features an attractive chrome finish, improved stability with a lower center of gravity, and enhanced flexibility, which enables a broad range of setup styles.



Newly Developed Aluminum Die-cast Clamps Improve Grip

The clamps that hold the pads and cymbals in place have been designed to improve the retention of your settings. The aluminum die-cast clamps used in MDS-25 incorporate a nylon sleeve that connects to the pipe for a stronger grip and scratch prevention.



Memory-lock Security and Convenience

A convenient component of the MDS-25 is a memory lock on its two front holders for consistent setup and added grip. In addition, the newly designed rubber feet improve the stability of the overall stand as well as prevent unwanted slipping.



Cables are Routed Through the Stand's Pipes

The MDS-25 and MDS-12BK feature "cable-inside-pipe" construction that eliminates the hassle and mess associated with traditional cable setups. The jacks are conveniently labeled for easy connection, and the outlets on the holders have been enlarged and outfitted with rubber sleeves for cable protection.



Enhanced Cymbal-mount Flexibility

The MDS-25 and MDS-9 incorporate a ball-clamp system that lets you easily change angles for creating the ideal setup. With the MDS-25's cymbal mounts, you can insert the boom arm into the pipe to transform the stand from boom to straight. You can also mount cymbals on tom holders for added flexibility.



V-Hi-Hat **VH-12-SV / VH-12**



Subtle and Dynamic Hi-hat Performance

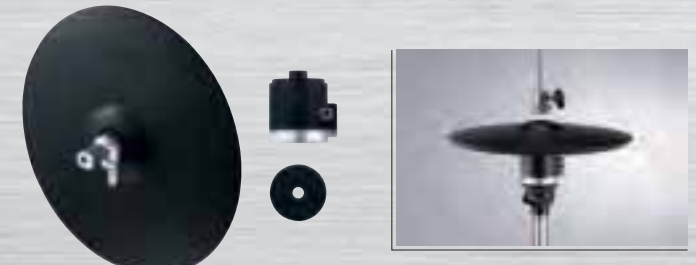
The V-Hi-Hat consists of top and bottom cymbals, and can be mounted on commercially available hi-hat stands. Its action and playing feel are extremely natural. Used in combination with the V-Drums TD-20X or TD-12 sound module, the V-Hi-Hat lets you play the bow or edge just as

you would an acoustic hi-hat. You can also add nuance depending on how hard you step on the pedal, as well as use pedal techniques such as foot splashes. The V-Hi-Hat is available in silver or black.

V-Hi-Hat **VH-11**

Realistic Feel, Streamlined Design

With eyes closed, drummers will think they're playing a regular two-piece hi-hat. But examine the innovative VH-11 floating hi-hat, and you'll see that it's actually comprised of one floating cymbal pad atop a fixed lower base. Great for fast setup and easy transport, the VH-11 mounts on conventional hi-hat stands, and provides a similar playing feel to a 2-piece hi-hat. The VH-11 is fully compatible with Roland's TD-20X, TD-20, TD-12, TD-9, and can be used with the TD-10 w/TDW-1, TD-8, TD-6V, TD-6, and TD-4.



■ **Comparison of Hi-Hat Features** * Possible when use with the TD-20X/12.

Model	Size	Color	Trigger output	Mount	Open/Close	Pressure	Foot Splash Sens
VH-12-SV	12 inches	Silver brushed metal	Bow/Edge	Use with Hi-Hat stand	○*	○*	○*
VH-12	12 inches	Black	Bow/Edge	Use with Hi-Hat stand	○*	○*	○*
VH-11	12 inches	Black	Bow/Edge	Use with Hi-Hat stand	○	—	○
CY-5(FD-8)	10 inches	Black	Bow/Edge	Use with Pad Mount	○	—	○

■ **Comparison of Cymbal Features** * Possible when use with the TD-20X/12.

Model	Size	Color	Trigger output	Three-way Trigger	Choke Play	Position Sensing
CY-15R-SV	15 inches	Silver brushed metal	Bow/Bell, Bow/Edge *	○	○	○*
CY-15R	15 inches	Black	Bow/Bell, Bow/Edge *	○	○	○*
CY-14C-SV	14 inches	Silver brushed metal	Bow/Edge	—	○	—
CY-14C	14 inches	Black	Bow/Edge	—	○	—
CY-12R/C	12 inches	Black	Bow/Bell, Bow/Edge *	○	○	○*
CY-8	12 inches	Black	Bow/Edge	—	○	—
CY-5	10 inches	Black	Bow/Edge	—	○	—

V-Cymbal Ride **CY-15R-SV / CY-15R**

V-Cymbal Ride Provides Natural Edge-to-bell Performance

The V-Cymbal Ride lets you play naturally from edge to bell. It comes with two types of outputs that you can choose depending on your style: bow/bell and bow/edge. When used with the TD-20X or TD-12, it supports positional sensing, which varies the tone based on where the cymbal is hit. The V-Cymbal Ride faithfully responds to your stick technique, giving you the natural expression and subtle nuance of an acoustic ride. It's available in silver or black.



V-Cymbal Crash **CY-14C-SV / CY-14C**

The Perfect Crash

The V-Cymbal (crash) was designed to perfectly reproduce the behavior of an acoustic crash cymbal, from powerful shots to delicate cymbal rolls. Thanks to the V-Cymbal's unique seesaw construction, it reproduces unique actions such as "swinging" and "rebound." It also supports bow and edge playing as well as cymbal chokes (muting). It's available in silver or black.



V-Cymbal Ride / Crash **CY-12 R/C**

Compact, Triple-Trigger Cymbal

This 12-inch electronic cymbal brings breakthrough V-Cymbal technology to a very affordable price point. This expressive 3-way trigger* cymbal offers the natural rebound, inertia, and natural "swinging" motion of an acoustic cymbal, plus cymbal choke capabilities. Use it as crash or a compact ride cymbal. *3-way triggering is capable when used with the TD-20X, TD-20, TD-12, TD-9, and TD-4 sound module.



Cymbal Pad **CY-8**



Dual-Trigger Cymbal with Choke Control

Sporting a refined look that more closely resembles an acoustic cymbal, the CY-8 Dual-Trigger Cymbal Pad offers precise and accurate triggering for both crash and ride purposes — complete with natural "swinging" motion and cymbal "choke" capability.

Cymbal Pad **CY-5**



Improved Cymbal Pad for Hi-Hat or Splash

The cymbal pad (CY-5) features a 10-inch playing zone and swing movement for more drummer-friendly triggering. The pad also provides separate bow and edge triggering. The CY-5 can be also used as an additional cymbal pad, such as a splash, on V-Drums kits.

Drum Stand **MDS-25**

A Drum Stand for the Demanding Pro

With rock-solid stability and a low center of gravity, the MDS-25 drum stand is the perfect choice for punishing, high-impact live performance. With chrome pipes that glimmer in the light, exclusively crafted joints and clamps, and semi-transparent cables, it's a feast for the eyes. Create the perfect placement, thanks to the MDS-25's ultra-flexible ball-clamp system and pad arms that let you insert the boom into the pipe for boom- or straight-stand positioning. This is finest stand for any stage.



Drum Stand **MDS-12BK**

Solid, Stylish Drum Stand

Mount your V-Drums in style and stability with the MDS-12BK. Featuring Roland's sturdiest grip clamps, this rock-solid rack let's you play with confidence, knowing that your drum and cymbal pads will remain locked in position. For a clean appearance and quick setup, the cabling can be concealed inside the pipes. The MDS-12BK's open-leg design makes hi-hat placement more convenient, and its wide design lets you to easily expand your kit with additional drum, cymbal, and percussion pads. Optional PM-30 Satellite speakers can be mounted on the center poles without the need for boom clamps (speaker bases are required).



Drum Stand **MDS-9**

Convenient and Stable Drum Stand

The new MDS-9 drum rack offers a sturdy four-leg design with new, improved ball-clamp snare and cymbal mounts for fast, flexible component placement.



Cymbal Mount **MDY-25**

New cymbal mount for the MDS-25 with a flexible ball-clamp and newly designed mechanical arm. Provides dual-mount options for boom and straight.



Cymbal Mount **MDY-10U**

The MDY-10U is a flexible, sturdy cymbal mount for V-Cymbal Pads or a BOSS DB-90 metronome. Its foldable design makes set up and teardown a snap.



Drum Stand **MDS-4**

Custom Stand for TD-4K

Sturdy and lightweight, the MDS-4 keeps V-Pads, V-Cymbals, and the TD-4 securely in place during performance. It also accommodates double-kick pedals.



Pad Mount **MDH-25**

New tom mount for the MDS-25 with a flexible ball clamp and tilt mechanism.



Pad Mount **MDH-10U**

The MDH-10U is a rock-solid pad mount that's also friendly for setup and teardown. It holds V-Pads and Trigger Pads.

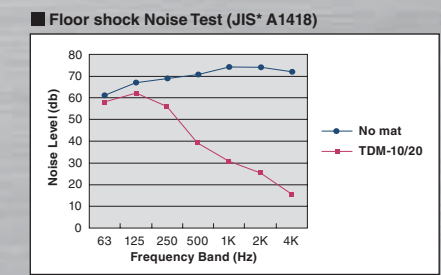


V-Drum Mat **TDM-20 / TDM-10**

Prevent your drum components from slipping while simultaneously safeguarding your floor from scratches and reducing impact noise/vibration. Roland's TDM-10 and TDM-20 heavy-duty drum mat is adorned with the Roland V-Drums logo. The mat is available in medium and large sizes.



SPECIFICATIONS
 (TDM-20) • Dimensions 1,600 (W) x 1,500 (D) x 8 (H) mm/ 63 (W) x 59-1/16 (D) x 0-3/8 (H) inches • Weight 3.0 kg/ 6 lbs. 10 oz.
 (TDM-10) • Dimensions 1,200 (W) x 1,300 (D) x 8 (H) mm/ 47-1/4 (W) x 51-3/16 (D) x 0-3/8 (H) inches • Weight 2.1 kg/ 4 lbs. 11 oz.



*JIS: Japanese Industrial Standards



Personal Monitor Advanced Amplification for V-Drums **PM-30**



Advanced Amplification for V-Drums

The PM-30 is a 2.1-channel advanced speaker system. With 200 watts of Class-D power, a high-performance 12" woofer with tweeter, a pair of 4" satellite speakers, and a proprietary DSP engine, the PM-30 delivers powerful, full-range sound in a convenient and portable package. The selectable Full-Range and Subwoofer modes let you customize low-frequency performance, while the built-in 3-band EQ lets you fine-tune the tone. A solid crossbar spans the top of the base unit for convenient carrying. The satellite speakers can be clamped onto the crossbar or mounted onto a drum rack.



SPECIFICATIONS

• **Rated Power Output** 200 W (Main Unit 100 W + Satellite Speaker 50 W x 2) • **Nominal Input Level (1 kHz)** INPUT Channel 1 (V-DRUMS): -10 thru +4 dBu, (LINE IN): -20 thru +4 dBu, Channel 2 (LINE IN): -10 thru +4 dBu, Channel 3 (LINE IN): -10 thru +4 dBu • **Nominal Output Level** LINE OUT: +4 dBu, SPEAKER OUT: 50 W/4 ohms • **Speakers** Main Unit: 30 cm (12 inches) x 1 (Woofer), 7.7 cm (3 inches) x 1 (Tweeter), Satellite Speaker: 10 cm (4 inches) x 2 (Full Range) • **Controls** <V-DRUMS/Channel1> PUNCH Switch, Volume Knob <Channel2> VOLUME Knob <Channel3> VOLUME Knob <Woofer Control> Mode Select Switch, Volume Knob <MASTER> BASS Knob (Equalizer), MIDDLE knob (Equalizer), TREBLE knob (Equalizer), VOLUME Knob, POWER Switch • **Indicator** POWER • **Connectors** Main Unit: <V-DRUMS/Channel1> V-DRUMS INPUT Jack (stereo 1/4" phone type), LINE IN Jack (1/4" phone type) <Channel2> LINE IN Jack (1/4" phone type) <Channel3> LINE IN Jack (1/4" phone type / RCA PIN type), LINE OUT Jack (1/4" phone type), SPEAKER OUT Jack (1/4" phone type), PHONES Jack (stereo 1/4" phone type), Satellite Speaker: INPUT Jack (1/4" phone type) • **Power Supply** AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz) • **Power Consumption** 63 W • **Dimensions** Main Unit: 451 (W) x 482 (D) x 482 (H) mm / 17-13/16 (W) x 19 (D) x 19 (H) inches (Excluding casters), 451 (W) x 482 (D) x 533 (H) mm / 17-13/16 (W) x 19 (D) x 21 (H) inches (Including casters), Satellite Speaker: 152 (W) x 158 (D) x 209 (H) mm / 6 (W) x 6-1/4 (D) x 8-1/4 (H) inches • **Weight** Main Unit: 24.3kg / 53 lbs 10 oz (Excluding casters), 25.0 kg / 55 lbs 2 oz (Including casters), Satellite Speaker: 2.2 kg / 4 lbs 14 oz (for each) • **Accessories** Mount Bar x 2, Clamp x 2, Speaker Cable (3.5 m) x 2, Caster x 4, Owner's Manual * 0 dBu = 0.775 Vrms

Personal Monitor for V-Drums **PM-10**



Solid, Portable Sound Reinforcement

Designed as a portable companion for Roland's V-Drums, the PM-10 is equipped with a 30-watt amplifier and a 10" 2-way coaxial speaker. Its compact design is perfect for small-sized drum kits, such as the TD-4K, and the TD-9KX/TD-9K. Jam along with your favorite songs by connecting an external CD or MP3 player to the Line In jack. Balance the V-Drums and the external audio with the dedicated volume controls; adjust the tone with the built-in 2-band EQ.



SPECIFICATIONS

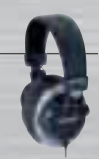
• **Rated Power Output** 30W • **Nominal Input Level/Impedance** V-DRUMS Input: 0dBu/20k ohms, LINE Input: 0dBu/20k ohms • **Speakers** 10" (250 mm) Woofer + 3" (77 mm) Tweeter (Coaxial, 2-way) • **Enclosure** Bass-reflex type • **Controls** V-DRUMS Volume Knob, LINE Volume Knob, BASS Knob, TREBLE Knob, POWER SW • **Indicator** POWER • **Connectors** V-DRUMS Input Jack (Stereo 1/4" phone type) LINE Input Jack (Stereo 1/4" phone type) • **Power Supply** AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz) • **Power Consumption** 36W • **Dimensions** 364 (W) x 396 (D) x 352 (H) mm / 14-3/8 (W) x 15-5/8 (D) x 13-7/8 (H) inches • **Weight** 12 kg / 26 lbs 8 oz • **Accessories** Owner's Manual Power Cord * 0 dBu = 0.775 Vrms

Headphones

High-quality Headphones Faithfully Reproduce the Powerful, Dynamic Sound of V-Drums

Stereo Headphones **RH-300**

Roland's top-of-the-line headphones for the ultimate in sound quality, appearance, and performance. The 45mm (1-13/16") drivers and neodymium magnets deliver dynamic, full-range performance. The snug fit shuts out external sound.



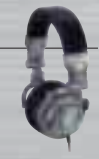
Stereo Headphones **RH-200 / RH-200S**

With 40mm (1-5/8") drivers, the RH-200/RH-200S headphones offer the clarity, sonic accuracy, and comfort needed for mixing and silent practice. They also feature a gold-plated 1/8-inch stereo connector with 1/4" adapter.



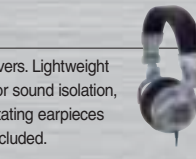
Stereo Headphones **RH-D30**

Optimized for high-impact onstage performance, RH-D30 headphones are light and comfortable with superior isolation, powerful and clear sound, and a super-wide frequency range. Other features include high-capacity 45mm (1-13/16") drivers and 180-degree rotating earpieces (90-degrees transverse). Carrying pouch included.



Stereo Headphones **RH-D20**

Similar in design to the RH-D30, the RH-D20 has 40mm (1-5/8") drivers. Lightweight and comfortable for extended wearing, the RH-D20 provides superior sound isolation, balanced sound across the frequency spectrum, and 180-degree rotating earpieces for single-ear monitoring (90-degrees transverse). Carrying pouch included.



Open-Air Headphones **RH-A30**

Roland's new open-air-type headphones are made for musicians who don't want total isolation from surrounding sounds. For maximum comfort during extended sessions, the RH-A30's ear pads have been newly designed.



Roland Inner Ear Headphones **RH-iE3**

These attractive in-ear headphones feature aluminum housings, gold-plated plugs, and advanced drivers for a balanced, full-range sound with deeper bass and extended frequency performance. Longer shaft arms ensure easy mounting and detaching.



V-Drum Accessory Package **DAP-3 / DAP-1**

Essential Accessories for V-Drummers

This handy drum accessory package is ideal for entry-level V-Drums owners, allowing them to start playing their V-Drums right out of the box.



- DAP-3 Components**
- Kick Pedal
 - Drum Throne
 - Drum Sticks

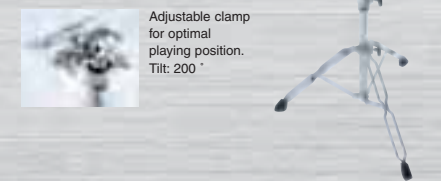


- DAP-1 Components**
- Drum Throne
 - Drum Sticks
 - Audio Cable Mini plug, Cable length: 375 mm / 14-13/16"
 - In-ear headphones

OPTIONS

Pad Stand **PDS-10**

Height: 643 - 1,093mm / 25-3/8 inches
Weight: 3.8kg / 8 lbs 7 oz



All Purpose Clamp **APC-33**

This clamp can be used to attach an SPD-series percussion pad to a conventional cymbal stand for use with a V-Drums or acoustic drum kit.



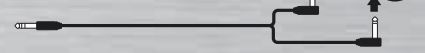
Mounting Plate **MDP-7**

The MDP-7 is the mounting plate for TD-series sound modules such as the TD-3, TD-12, and TD-20X when customers want to attach the sound module to the new MDS-9.



Connection Cable **PCS-31L**

Using the PCS-31L, you can connect two single-trigger pads to a particular stereo trigger input* on a TD-Series module — a great way to get more pads in your system. *Please refer to (*6) of p. 40.



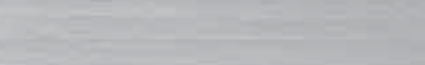
Cymbal Parts Set **CYM-10**

This package includes three essential components: Stopper, Felt Washer, and Wing Nut. Compatible products include all Roland CY series Cymbals.



AC Adaptor **PSA-Series**

The new and improved PSA-Series power adaptor features increased output of 500mA, extended length of 3m (118-1/8"), lighter weight at 140g (5 oz), and a body that's extra slim. It's also equipped with a power indicator.



Pedal Switch **DP-2** FootSwitch **FS-5U / FS-6**



These rugged footswitches can be used for changing patches, start/stop, tempo, or other parameters. They can be used with the TD-20X/10/8, SPD-series, and HandSonic.

Acoustic Drum Trigger **RT-10 Series**

Triggers for Kick, Snare, and Toms

With acoustic-drum triggering more popular now than ever, Roland has responded to requests from the market and created these triggers: the RT-10K (for kick drums), RT-10S (for snare drums), and RT-10T (for toms). Physically smaller than their predecessors, the RT-10 series triggers are easier to position. Best of all, they feature trigger-sensing technology for improved response.



RT-10K (Kick Trigger)

• **Trigger:** 1 (Head) • **Connector:** Trigger Output Jack (1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 70 (H) mm / 1-5/8 (W) x 4-3/8 (D) x 2-13/16 (H) inches • **Weight:** 90 g / 4 oz • **Accessories:** Connection Cable, Hoop Guard • **Guide for Installation:** Rim Height: 30 to 36 mm / 1-3/16 to 1-7/16 inch, Rim Thickness (Max.): 13 mm / 9/16 inch

RT-10S (Snare Trigger)

• **Triggers:** 2 (Head, Rim) • **Connector:** Trigger Output Jack (Stereo 1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 50 (H) mm / approx. 1-5/8 (W) x 4-3/8 (D) x 2 (H) inches • **Weight:** 80 g / 3 oz • **Accessories:** Connection Cable • **Guide for Installation:** Rim Height: 11 to 15 mm / 7/16 to 5/8 inch

RT-10T (Tom Trigger)

• **Triggers:** 1 (Head) • **Connector:** Trigger Output Jack (1/4 inch Phone Type) • **Dimensions:** approx. 40 (W) x 110 (D) x 50 (H) mm / 1-5/8 (W) x 4-3/8 (D) x 2 (H) inches • **Weight:** 80 g / 3 oz • **Accessories:** Connection Cable • **Guide for Installation:** Rim Height: 11 to 15 mm / 7/16 to 5/8 inch



Supported Sound Modules: TD-20X, TD-12, TD-9, TD-3, TD-4, SPD-20, SPD-S

* If you need dual triggering for head and rim on toms, please use the RT-10S instead of the RT-10T.

* Regarding the sound module with dual trigger compatible input, please refer to "Sound Module and Drum Pad Combinations" on the pages 44 - 45 of this catalog.

Trigger MIDI Converter **TMC-6**

Play MIDI Modules From an Acoustic Set!

The TMC-6 Trigger MIDI Converter makes it easy to play and trigger MIDI modules and samplers from an acoustic drum set, or expand the sound palette of electronic drum sets. This affordable device uses accurate and reliable V-Drums triggering technology, allowing acoustic drummers to "play" electronic sounds from their favorite MIDI module, or for V-Drums owners to expand their trigger inputs.



Works Great with the RT/TD-Series

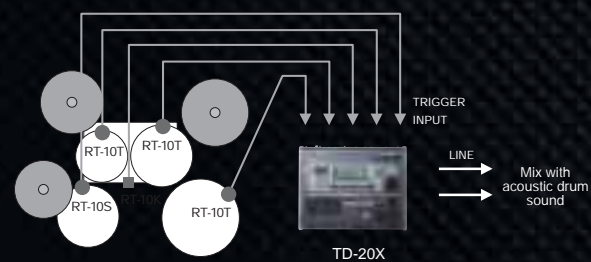
The TMC-6 Trigger MIDI Converter makes it easy to play and trigger MIDI modules and samplers from an acoustic drum set equipped with Roland's RT-series triggers, or to expand the sound palette of electronic drum sets. This affordable device uses the lightning-fast triggering technology of Roland's V-Drums for reliable triggering and super-accurate dynamics.

6 Trigger Inputs for Maximum Versatility

The TMC-6 includes six trigger inputs compatible with all Roland drum pads or acoustic drum triggers (an FD-8 Hi-Hat Control Pedal can also be connected). With V-Drums technology built-in, the TMC-6 provides reliable and fast response, plus separate head/rim triggering with dual-trigger V-Pads, such as the PD-125/105/85, and 3-way triggering with the CY-15R and CY-12R/C V-Cymbals. Trigger settings can be stored to 12 user-memory locations.

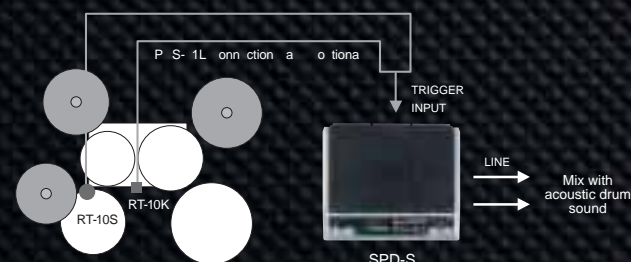
Using the RT-10 Series and TMC-6

Play a TD-Series brain



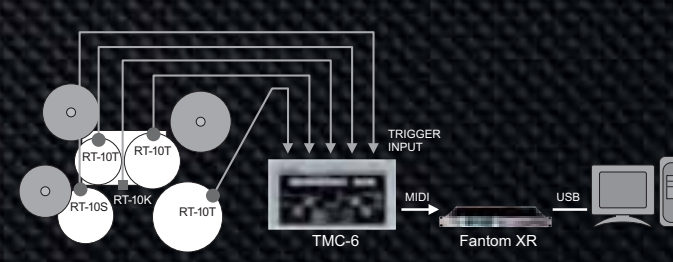
By connecting a set of RT-10 Series triggers to a TD-Series brain, drummers can play high-quality V-Drums sounds right from an acoustic set, or blend electronic and acoustic sounds to create unique sounds. Using the TD-series' Tap Sequence function, drummers can trigger sequences by simply tapping the kick.

Trigger an SPD-Series module



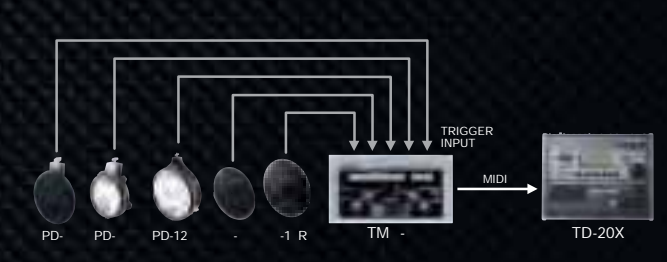
In this example, an RT-10K and RT-10S are connected to an SPD-S Sampling Pad, making this an affordable and easy way to add sampling to an acoustic set. Using the SPD-S's Velocity Switch setting, the snare and bass drum can be set to trigger a different sample depending on how hard they are hit.

Connect a MIDI module and computer



Roland's TMC-6 Trigger MIDI Converter changes the trigger impulses received from the RT-10 series into MIDI messages — making it possible to play MIDI modules such as Roland's Phantom XR, or even record your performance into a sequencer. This expands sonic flexibility, and allows you to create more natural drum tracks when sequencing in the studio.

Expand a V-Drums Set



The TMC-6 is also a great way to expand the capabilities of any V-Drums set. Simply connect the TMC-6 to a TD-Series brain via MIDI, and use the TMC-6's trigger inputs to connect more pads and cymbals. In this example, three pads and two cymbals are connected for triggering splash cymbal sounds and percussion instruments such as timbales and owbell.

Marching Percussion **RMP-12**

Mesh-Head Comfort

The RMP-12's patented mesh head provides low acoustic noise, high durability, and unsurpassed comfort. Head tension can be adjusted via drum key, just like an acoustic drum, for the perfect stick response. The head is also replaceable, like an acoustic drum.



World of Sound

The RMP-12 offers high-quality marching snares, toms, bass drums, cymbals, and other drums and percussion instruments. It also contains a variety of Latin percussion as well as electronic sounds. The four memory buttons let you store your favorite sounds and call them up instantly during your performance.



Rhythm Coach Onboard

The Rhythm Coach helps you build speed, stamina, and accuracy. Even if you're not in the Rhythm Coach mode, you can practice with the Time Check whenever you start the metronome. The Time Check Score, which grades accuracy, is one of the menus in the Rhythm Coach. Other effective exercises include the Auto Up/Down, which gradually speeds up and slows down the metronome, and the Dyna Meter, which shows your stroke dynamics on the screen.



Marching Percussion

Perfect for extended wear, the RMP-12 is lightweight and battery-powered. It can be attached to standard marching drum carriers for wireless transmission*, allowing you to freely move around during your performance. For practice, mount the RMP-12 to a concert snare stand and use the Roland CUBE Street amplifier to monitor or simply connect headphones for quiet practice.

*Commercial wireless systems sold separately



Application Guide DVD included



*Concert snare stand sold separately

Marching Carrier Attachment **OP-RMP12**
Attaches RMP-12 to standard marching drum carriers



RMP-12 SPECIFICATIONS

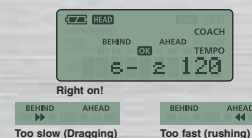
• Pad Head Size 12 inches • PAD Trigger 2 (Head, Rim) • Instruments 128 • Instrument Parameters Tuning, Volume • Memory Bank 4 • Metronome Tempo (20-300), Beat (0-13), Rhythm Types (5 types), Click Sounds (7 types), Timer Function, Time Check Function • Rhythm Coach Functions Time Check Score, Speed Check, Rhythmic Notes, Auto Up/Down, Dyna Meter, Tap Tempo • Display Custom Display • Connectors Phones Jack (Stereo miniature phone type), Mix In Jack (Stereo miniature phone type), Output Jack (1/4 inch phone type), Trigger Input Jack (1/4 inch TRS phone type) *This jack is connected to the pad with a cable when the RMP-12 is shipped from the factory, AC Adaptor Jack • Power Supply DC 9 V: Dry battery LR6 (AA) type (alkaline) x 6 or AC Adaptor (optional) • Current Draw 220 mA * Expected battery life under continuous use: Alkaline: 8 hours These figures will vary depending on the actual conditions of use. • Dimensions 347.5 (W) x 416 (D) x 193.8 (H) mm, 13-11/16 (W) x 16-7/16 (D) x 7-11/16 (H) inches • Weight: 3.7 kg / 8 lbs 3 oz (including battery) • Accessories Owner's Manual, Quick Guide, Dry battery LR6 (AA) type (alkaline) x 6, Drum Key, Cable Tie, Application Guide DVD

Improving Your Skills is More Fun with Rhythm Coach

For improving and maintaining your skills, the Rhythm Coach feature provides a well-rounded and fun workout. The program helps you learn to keep perfect time and to teach your body to sense whether your timing is accurate or not. An effective partner for solo practice, Rhythm Coach makes working on your skills much more enjoyable.

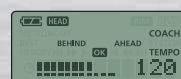
Time Check Score

This exercise teaches you to play accurately in sync with the metronome. The display informs how precise your shots are in two levels (easy, hard).



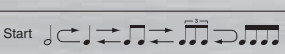
Dyna Meter

Your stroke dynamics are metered on the LCD. With aural and visual feedback, it's easier to learn to maintain an even volume by keeping your left- and right-hand strength in balance.



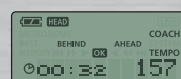
Rhythmic Notes

This provides basic training by changing the rhythm type every two measures. Useful for warm-up, this exercise helps you master various note values.



Auto Up/Down

This endurance exercise gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, and you can set the maximum tempo at which it changes.



Speed Check

When you play accurately for a number of measures (adjustable), the tempo increases automatically - challenges you to play at a higher speed depending on your skill.

Tap Tempo

You tap the pad along with the music and the tempo is automatically measured. The metronome is automatically set to the same tempo. It's a useful tool for determining the tempo of pre-recorded or performed music.

Rhythm Coach **RMP-5**

PCM Sounds Onboard

One of the key features that sets the RMP-5 apart from other rhythm trainers is its built-in sound engine. Now you can practice in style by selecting from the dozens of onboard PCM instruments inside the RMP-5. The RMP-5 lets you trigger a variety of high-quality, internal snare drum samples, hi-hats, ride cymbals, and percussion instruments. You can also choose from a menu of metronome sounds, including a standard click, human-voice count, rhythmic patterns, and more.

Drum Kit Expansion

The RMP-5 provides a dual-trigger input that can be used to connect Roland's KD-8 kick and CY-8 cymbal controllers (optional). All together, these three components form the nucleus of a small electronic drum kit. Now you can train not only your hands, but your feet as well. The RMP-5 provides the sounds for each pad, so you can play complete grooves either solo, along with the Rhythm Coach, or with external audio (such as CD players) connected to the RMP-5's External Audio input.



RMP-5 SPECIFICATIONS

• Pad Size 8 inches • Pad Sounds 54 • Tempo 20 - 300 • Click Sounds 15 types • Rhythm Types 24 types • Patterns 22 types • Beat 24 types • Coach Mode TIME CHECK (8 variations), QUIET COUNT (6 variations), AUTO UP/DOWN (6 variations), RHYTHMIC NOTES (3 variations), STROKE BALANCE (2 variations), ACCURACY SCORE (4 variations) • Connectors PHONES/OUTPUT Jack: 1 (Stereo miniature phone type), MIX IN Jack: 1 (Miniature phone type), AC Adaptor Jack, EXT TRIG IN Jack: 1 (Dual) * Using the PCS-31L, you can connect two pads. In that case, the rim shot, edge shot, and choking features are unavailable. • Power Supply DC 9 V: Dry Battery 6LR61/1604A (9 V) type (alkaline), AC Adaptor • Current Draw 80 mA * Expected battery life under continuous use: Carbon: 1 hour, Alkaline: 4 hours. These figures will vary depending on the actual conditions of use. • Stand Screw Size M8 • Dimensions 263 (W) x 348 (D) x 78 (H) mm, 10-3/8 (W) x 13-3/4 (D) x 3-1/8 (H) inches • Weight 1.3 kg / 2 lbs 14 oz (including a battery) • Accessories Dry Battery 6LR61/1604A (9 V) type (alkaline), Drum Key

CB-RMP Gig Bag for RMP-series

PDS-2 Pad Stand

Your Own Personal Rhythm Coach Included

The RMP-5 is equipped with Roland's famous Rhythm Coach exercises, which challenge and score your playing in fun and friendly ways. Put your skills to the test with Time Check, Auto Up/Down, and Stroke Balance, for example, to help develop consistent stick technique. Adjust the workout level according to your abilities and goals.

Time Check

In sync with the metronome, this exercise encourages you to strike with accuracy. The display informs how accurate your shot was in seven levels.



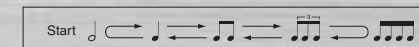
Accuracy Score

Chart your progress! With each Time Check exercise, the RMP grades your performance (for durations of 4, 8, 16, or 32 measures), and displays your accuracy from 0-100 percent.



Rhythmic Notes

This provides basic training by changing the rhythm type every two measures. Useful for warm-up, this exercise helps you master various note values.



Stroke Balance

The onscreen metronome needle indicates how strong you play. Improve balance and accent skills for both hands.



Quiet Count

Designed to develop your internal tempo, this exercise alternates the volume level between normal and barely audible, challenging you to maintain the correct tempo throughout.

Auto Up/Down

An endurance exercise that gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, and you can set the maximum tempo at which it starts decreasing.

Dr. Beat DB-90

Better Features, Better Practice

The Note Mixing function allows you to instantly create a variety of beats by adjusting the levels of five different note values. Front-panel sliders, buttons, and a large rotary dial provide instant, hands-on access to edit parameters. Select four different click sounds, including a human voice-counting sound that will help you know your place in the bar. The DB-90 is also equipped with realistic PCM drum patterns for developing accuracy and rhythmic feel effectively. It can also be synced to external MIDI sequencers for elaborate accompaniment.

SPECIFICATIONS

• Metronome Tempo: =30-250, BEAT1: 1-9, BEAT2: OFF / 1-9, PATTERN: 30 kinds (8-BEAT x 4, 16-BEAT x 3, SHUFFLE x 3, FUNK x 2, JAZZ x 2, BLUES, TECHNO, HOUSE, COUNTRY, REGGAE, CLAVE x 2, SALSA, RUMBA, BOSSA NOVA, SAMBA, WALTZ, TANGO, MAMBO, CHACHACHA, MARCH) • Voice Voice 1 (Standard metronome sound), Voice 2 (Electronic metronome sound), Voice 3 (Electronic click sound), Voice 4 (Human voice) • Rhythm Coach Time Check, Quiet Count, Gradual Up/Down, Step Up/Down • Reference Tone Reference Pitch: A4=432 Hz-445 Hz (1 Hz steps), Reference Tone Range: C2-B6 • Auto Power Off function 60 minutes • Connector TRIG IN, START/STOP, MEMORY UP/DOWN, MIDI IN, INPUT, AC Adaptor, PHONES x 2 (Stereo 1/4" phone type, Stereo miniature phone type) • Power Supply DC 9 V: Dry battery 6F22 / 6LR61 (9 V), AC Adaptor (PSA-series, Optional) • Power Consumption 85 mA or less (with reference tone sounding). Expected battery life under continuous use: Approximately 1.5 hours (Carbon) / 6 hours (Alkaline) * These figures will vary depending on the actual conditions of use. • Dimensions 122 (W) x 164 (D) x 375 (H) mm / 4-13/16 (W) x 6-1/2 (D) x 1-1/2 (H) inches • Weight 450g / 1 lb (including batteries) • Accessories Dry Battery (R6 (AA) Type), Soft case, Owner's Manual



SIDE VIEW

Roland Percussion Products

Roland's Revolutionary E-Percussion Family Expands



Artists with HandSonic



Luis Conte



Taku Hirano



Richie Garcia



Rhani Krija



Tommy Snyder

Digital Percussion

HANDSONIC 10 HPD-10

New Sounds

An all-new collection of sounds has been created for the HPD-10; approx. 400 high-quality instruments are onboard. All of the percussive essentials have been included — congas, bongos, tabla, djembe, cajon, etc. — as well as melodic percussion, drum kit, special effects, and more. No matter the genre, from ethnic to electronic, the HPD-10 has you covered.

Sensitive Surface

Whether you're laying down the most delicate finger rolls or the sharpest slaps, the HPD-10's playing surface can handle anything you give it. The comfortable round surface is divided into ten individual pads with pressure and positional sensitivity. The popular D Beam is also included for dramatic triggering and pitch control. Strike a virtual gong with your head, and control the pitch of a talking drum with your hand waving up/down — you get the picture.

Easy Operation

The PRESET KITS buttons give you quick access to five specially selected kits — Conga, Tabla, Steel Drum, Drums, SFX, and five of your favorite kits. The large, backlit icon-driven LCD helps you clearly see what you are playing or editing.



■ PRESET KITS Button

Style Guide Metronome

The HandSonic 10 has a new type of metronome that provides a musically inspiring selection of rhythm patterns based on a variety of styles — Latin, World Music, Rock, Pop, Jazz, Dance. It helps you not only for practice, but also for sessions as play-along patterns.

Effects & Controller

Dual-trigger input allows a kick pedal and cymbal pad (or footswitch) to be plugged in.



Wave your hands over the invisible D Beam to trigger and control sounds with visual impact.



* Actual D Beam is invisible; color has been added for illustration purposes only.

CB-HPD-10 Gig Bag for HPD/SPD series



REAR PANEL



SPECIFICATIONS

• Pad 10 inches, 10 sections, Pressure-Sensitive • Instruments 410 • Kits 64 • Effects Ambience (5 types), Multi-Effects (20 types) • Style Guide Metronome 86 patterns • Tempo 40-200 • Coach Mode QUIET, COUNT, RHYTHM CHECK, TIME CHECK, PAD FOLLOW, AUTO UP/DOWN, TAP TEMPO • Controllers D Beam Controller, Control Knob • Display Icon-driven Backlit LCD • Connectors Output Jacks (L/MONO, R), Phones Jack (stereo phone type), Mix In Jack (stereo phone type), Trigger Input/Foot Sw Jack (Dual), MIDI Connectors (IN, OUT) • Output Impedance 1.0 k ohms • Power Supply AC Adaptor (DC 9V) • Current Draw 350 mA • Dimensions 323 (W) x 427 (D) x 75 (H) mm / 12-3/4 inches (W) x 16-13/16 (D) x 3 (H) inches • Weight 2.9 kg / 6 lbs 7 oz (excluding AC Adaptor) • Accessories Owner's Manual, AC Adaptor (ACI/PSB-1U Series), Label Sticker

Improve your skills with the advanced Rhythm Coach function

Pad Follow

The "Pad Follow" lesson combines both audio and visual information. With a click playing in the background, a test pattern is played for you; at the same time, the pattern appears on the graphical pad display. Then it's your turn to copy what you just heard and saw.



Watch the pattern on the pad display as it plays.



Let's see if you can follow it!

Time Check

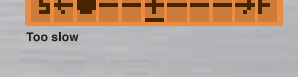
Time Check teaches you to play with pinpoint precision. The 7-segment meter displays the accuracy of your performance as you play.



Too fast



Perfect!



Too slow

Rhythm Check

Develop your timing while expanding your pattern vocabulary. With a click track playing in the background, Rhythm Check plays a pattern and then asks you to repeat it, then advances to the next pattern.

Auto Up/Down

An endurance exercise that gradually increases and then decreases the click speed. The rate at which the tempo goes up and down is adjustable, you can set the maximum tempo at which it starts decreasing, and the minimum tempo at which it starts increasing.

Quiet Count

This exercise is designed to develop your internal tempo. The volume of the click will alternate between normal and Quiet, challenging you to maintain the correct tempo throughout.

Tap Tempo

Tap a series of quarter-notes on any of the ten pads and the HandSonic 10 will calculate and display your new tempo in beats per minute. A handy resource!

HANDSONIC 15 HPD-15

The World's Most Popular Hand-Percussion Pad

The HPD-15 HandSonic is the world's most powerful (and famous!) electronic hand percussion multi-pad. It offers incredible triggering capabilities based on Roland's V-Drums technology. Divided into 15 parts, the HPD-15 allows hand percussionists to play up to 15 sounds simultaneously with all the sensitivity that the V-Drums are famous for. There are 600 percussion sounds onboard derived from all over the world — including Latin and Asian countries, the Middle East, and Africa — plus electronic drums and sound effects!

Expressive Realtime Control

The HandSonic's powerful controllers can be used to modulate pitch, timbre, and other parameters in real time, and with the expressive D-Beam controller, percussionists can trigger the onboard sounds or alter an instrument's tuning simply by waving their hands over an infrared beam of light. Also included are two ribbon controllers, an Expression Pedal input, and three control knobs. An optional KD-7 Kick Trigger Unit or FD-8 Hi-Hat Control Pedal can also be connected.



REAR PANEL



HANDSONIC 15 SPECIFICATIONS

• **Maximum Polyphony** 64 Voices • **Instruments** Pad Instruments: 600, Backing Instruments: 54 • **Preset Patches** 160 • **User Patches** 80 • **Patch Chains** 10 chains (32 steps per chain) • **Effect Type** Reverb, Multi-Effects • **Sequencer** Preset Patterns: 99, User Patterns: 99 (Maximum), Tracks: 4, Play Functions: OneShot, Loop, Tap, Resolution: 96 ticks per quarter note, Recording Method: Real-time • **Tempo** 20-240 • **Display** 16 characters, 2 lines (backlit LCD) • **Controls** Volume Knob, Realtime Modify Knob 1/2/3, Ribbon L/R, D Beam Controller • **Pad** 10 inches, 15 sections, Pressure-Sensitive • **Connectors** Output Jacks (L/Mono, R), Phones Jack (stereo), Mix In Jack (stereo), Expression Pedal / Hi-Hat Control Jack, Trigger Input Jack (dual), Foot Switch Jack (dual), MIDI Connectors (IN, OUT/THRU) • **Output Impedance** 1k ohms • **Power Supply** AC Adaptor (DC 9V) • **Current Draw** 1000mA • **Dimensions** 406 (W) x 405 (D) x 98 (H) mm / 16 (W) x 16 (D) x 3-7/8 (H) inches • **Weight** 2.9 kg / 6 lbs 7 oz (excluding AC Adaptor) • **Accessories** AC Adaptor (ACI/ACB Series), Label

Total Percussion Pad SPD-20

Superb Sounds and Features

The SPD-20's sound set includes everything from ethnic and world percussion instruments to classic and modern acoustic and electronic drum sounds — 700 sounds total! Out of the box, you get 99 patches and six rhythm loops that can be played via eight high-quality pads with natural response — even when playing with common drumming techniques like rolls and flams.

Infinitely Expressive

Four external dual-trigger inputs make the SPD-20 compatible with a dedicated hi-hat or kick drum controller and any of Roland's drum pads (including V-Pads). The trigger inputs can also be used with acoustic drum triggers for triggering acoustic drums. Other noteworthy features include a velocity-sensitive Layer function, onboard effects and MIDI connections for using the SPD-20 as a controller or sound module.



REAR PANEL



SPD-20 SPECIFICATIONS

• **Pads** Built-in Pads: 8 • Four external trigger inputs (dual) are provided, allowing you to connect Pads. • **Maximum Polyphony** 14 voices • **Instruments** 700 • **Memory** Patches: 99, Patch Chains: 8 • **Sound Parameters** Instrument, Level, Pitch, Decay, Pan, Curve, Effect Send Level • **Effects** Reverb, Delay, Chorus, Flanger • **Display** 7 segments, 3 characters (LED) • **Connectors** Output Jacks (L (Mono), R), Phones Jack (Stereo), Trigger Input Jacks (Dual): 3, HH CTRL/TRIG 4 Jack (Dual), MIDI Connectors (IN, OUT), Foot Sw Jack (Dual) • Trigger inputs 1 and 2 accept rim shots from the PD-7, PD-9 and PD-120 while inputs 3 and 4 accept rim shots from the PD-7 and PD-9. • **Power Supply** AC 12V: AC Adaptor • **Current Draw** 420mA • **Dimensions** 450(W) x 350(D) x 70(H) mm / 17-3/4(W)x13-1/6(D)x2-13/16(H) inches • **Weight** 2.8 kg / 6 lbs 3 oz (excluding AC adaptor) • **Accessories** Owner's Manual, AC Adaptor (BOSS BRA Series), Slit Tape

Sampling Pad SPD-S

Add Sampling to Your Rig!

The SPD-S Sampling Pad is a simple and affordable way to tap into the power of sampling. Six pads and three edge triggers allow drummers to trigger CD-quality samples and create phrase loops complete with pro-quality effects.

Integrates Easily with Your Kit

The SPD-S is a great way to add sampling to any percussion setup, and it's easy — just record a sound, assign it to a pad, and go. Up to eight sounds can be played from the six rubber pads and three edge triggers. With room for 399 User waveforms, the SPD-S can store plenty of samples. Plus, there are 181 ready-to-play waveforms pre-loaded into User memory. A sampling CD is also included, making it easy to add more sounds.

Powerful and Expandable

With 30 multi-effects algorithms and a unique ambience effect, the SPD-S offers endless sound-sculpting potential — plus the ability to create loops with the Phrase Maker function. The SPD-S has a stereo input, and can accommodate up to two trigger units for playing a drum pad in either a head or head/rim configuration. And with MIDI In and Out, it makes a great controller as well. The SPD-S can be expanded with CompactFlash media, and can import or export WAV/AIF files.

Convenient CompactFlash Storage

The SPD-S works with readily available CompactFlash media — making it easy to expand the onboard sampling time, store custom sounds, and even import or export WAV/AIF files using your Mac or PC. *Please contact your authorized Roland dealer regarding compatibility of CompactFlash media.



SAMPLING MODE/TIME

	Internal (approx.)	CompactFlash (approx.)					
		16MB	32MB	64MB	128MB	256MB	512MB
LONG	11 min.	12 min.	24 min.	48 min.	96 min.	193 min.	386 min.
STANDARD	5 min.	6 min.	12 min.	24 min.	48 min.	96 min.	193 min.
FINE	2 min.	3 min.	6 min.	12 min.	24 min.	48 min.	96 min.

PRE-LOADED SOUNDS

001	Moon Drs	019	BongoPin	037	VerbyHit	055	PinChime	074	FlexMtl	093	Shaker	112	SpokTom4	130	AcuSnr 1	149	909Kik	168	Splash 8
002	Moon Bas	020	CongaPin	038	RevLASER	056	BelTreeD	075	MitCrash	094	ShakeEgg	113	OctTom 1	131	AcuSnr 2	150	110Kik	169	Splash10
003	Moon Gt1	021	ShkrPin	039	WhrPulse	057	BelTreeU	076	Ratchet	095	Marracas	114	OctTom 2	132	AcuSnr 3	151	AcuKik 1	170	Crash 13
004	Moon Gt2	022	TablaPin	040	Sperks	058	CrotaleH	077	Vibraslp	096	CabasaSp	115	OctTom 3	133	Xstck 1	152	AcuKik 2	171	Crash 16
005	Moon Vc	023	16BtPin1	041	SlidWhstl	059	CrotaleL	078	Tmbrn 1	097	CabasaSt	116	OctTom 4	134	Xstck 2	153	clubHH1c	172	Crash 18
006	JzStpDrs	024	16BtPin2	042	NoiseTap	060	TriangOp	079	Tmbrn 2	098	Bongo Hi	117	-Drums-	135	Xstck 3	154	clubHH1o	173	China 16
007	JzStpBas	025	16BtPin3	043	Dolphin	061	TriangMt	080	TmbrnSlk	099	Bongo Sp	118	clubSnr1	136	808Claps	155	clubHH2c	174	Ride 20
008	JzStpChd	026	16BtFlt1	044	Scratch	062	AccCym 4	081	Tmbrn Sk	100	Bongo Lo	119	clubSnr6	137	909Claps	156	clubHH2o	175	Ride Bl
009	JzStpPad	027	16BtFlt2	045	Hi-Q	063	AccCym 6	082	CowbellS	101	Conga Hi	119	clubSnr3	138	110Claps	157	808HH cl	176	808Tom 2
010	JzStpMel	028	16BtFlt3	046	Spd-S	064	CupChim6	083	CowbellL	102	Conga Sp	120	clubSnr4	139	HndClap1	158	808HH op	177	808Tom 1
011	Zstep Bl	029	16BtEnd	047	WelcomE	065	CupChim8	084	CowbJam1	103	Conga Lo	121	clubSnr5	140	HndClap2	159	909HH cl	178	808Tom 3
012	JnglBt 1	030	16BtSnr	048	ComeOn!	066	Gong	085	CowbJam2	104	Cajon Sp	122	clubSnr6	141	FingSnap	160	909HH op	179	AcuTom10
013	JnglBt 2	031	16BtCrk	049	UGotGrv	067	Tamtam	086	CowbEngo	105	Cajon Bs	123	clubSnr7	142	clubK1t	161	110HH cl	180	AcuTom12
014	Xylo Bkg	032	AirDrft1	050	Yeaay	068	BlockJam	087	CowbMmbo	106	TimbleHi	124	clubSnr8	143	clubK2t	162	110HH op	181	AcuTom16
015	SynthBkg	033	AirDrft2	051	Haaay	069	Block Hi	088	Agogo Hi	107	TimbleRm	125	clubSnr9	144	clubK3t	163	AcuHH cl		
016	Org Bkg	034	SuperLow	052	BasSlide	070	Block Lo	089	Agogo Lo	108	TimbleLo	126	808Snr	145	clubK4t	164	AcuHH op		
017	HipHbkg	035	RevDown	053	WndChimD	071	Claves 1	090	SlightBel	109	SpokTom1	127	909Snr	146	clubK5t	165	AcuHH ft		
018	Didgerdo	036	SweepNoiz	054	WndChimU	072	Claves 2	091	AnkBedD	110	SpokTom2	128	110Snr	147	808Kik 1	166	110 Cym		
								092	AnkBedS	111	SpokTom3	129	eSnr	148	808Kik 2	167	Splash 6		



CompactFlash®

REAR PANEL



SPD-S SPECIFICATIONS

• **Pads** Built-in Pads: 9 • **Maximum Polyphony** 8 voices • **Sampling Mode** Fine/Standard/Long • **Sampling Frequency** 44.1 kHz • **Input Level** Line: -10 dBu, Mic: -50 dBu • **Input Impedance** 10 k ohms (LINE/MIC) • **Output Level** Output: -10 dBu • **Output Impedance** Output: 1 k ohms, Headphones: 47 ohms • **Memory** Patches: 128, [Waves] User: 399, Card: 500 (Pre-loaded Sound 181) • **Maximum Sampling Time** 12 min. approx. (Internal Memory, Long Mode) • **Effects** Multi-Effects (30 Type) + Ambience (System) • **Display** 16 characters, 1 line (backlit LCD) • **Connectors** Output Jacks (L/Mono, R) (1/4 inch phone type), Input Jacks (L/Mono, R) (1/4 inch phone type), "LINE/MIC selectable, Headphones Jack (Stereo) (Stereo) (1/4 inch phone type), Trigger Input Jacks (1/4 inch TRS phone type), Expression Pedal (1/4 inch TRS phone type), MIDI Connectors (IN, OUT), Footswitch Jack (1/4 inch TRS phone type), CompactFlash Card Slot • **Power Supply** DC 9 V: AC Adaptor • **Current Draw** 1,000 mA • **Dimensions** 342 (W) x 282 (D) x 83 (H) mm / 13-1/2 (W) x 11-1/8 (D) x 3-5/16 (H) inches • **Weight** 2.1 kg / 4 lbs 11 oz (excluding AC adaptor) • **Accessories** Owner's Manual, AC Adaptor (ACI-120C/ACI-230C/ACB-230E/ACB-240A), Sampling CD, Slit Tape, Screws: 2, Hexagon Wrench * 0 dBu = 0.775 Vrms

*The SPD-S's file system is developed by Kyoto Software Research, Inc. Fugue ©2003-2009 Kyoto Software Research, Inc. All rights reserved.



PRE-LOADED PATCHES

01	Join Us!	13	TR808Dr1	25	CoolWind	37	Percuss1
02	Filter-9	14	909Mania	26	EchohcE	38	Percuss2
03	HipHopp	15	Outback	27	Voices	39	Percuss3
04	LAttin!	16	SappBeat	28	TR808Dr2	40	Percuss4
05	DrumNtl	17	Winter	29	SnglHead	41	SynSweep
06	Elat-Mel	18	All Perc	30	Parifict	42	Phaser
07	CajonBt	19	RudeDrs	31	Timbales	43	Radio
08	Eco-Echo	20	TablaJam	32	Conga	44	Slicer
09	VeloCity	21	Drums-Q	33	RhythBox	45	ShrtLupr
10	Industry	22	Mr.LO-FI	34	Chimes	46	RingMod
11	AcousDrs	23	Pulsar	35	Cym&Gong	47	OvrDrive
12	Bongo	24	Spiral	36	Add On		

EFFECT ALGORITHMS

01	REVERB+GATE	16	ISOLATOR
02	DLYEDREVERB(Delayed Reverb)	17	WAH
03	STEREODELAY	18	OVERDRIVE
04	SYNC-DELAY	19	DISTORTION
05	TAPE-ECHO	20	LO-FI(Lo-Fi Processor)
06	CHORUS	21	RADIOTUNING
07	PHASER	22	RINGMODULAT(Ring Modulator)
08	FLANGER	23	PITCHSHIFTER(Pitch Shifter)
09	STEPPLANGER	24	PITCHBENDER(Pitch Bender)
10	TREMLO/PAN	25	OCTAVE
11	SIMPLE-COMP(Compressor)	26	VOICETRANS(Voice Transformer)
12	COMP-ENHANC(Compressor+Enhancer)	27	CENTRCANCEL(Center Canceled)
13	2BAND-COMP(2Band Compressor)	28	SYNTH-PERC(Synthesizer Percussion)
14	4BAND-PEQ(4Band Parametric Equalizer)	29	SHORT-LOOPER
15	FILTER	30	SLICER

You need to select the suitable "Trigger Type (Pad Type)" on the sound module for your pad.

About the table ○ ... Yes — ... No

Sound Module	Trigger Input	Pad Playing Methods	V-Pad				Pad			V-Cymbal				Cymbal Pad			V-Hi-Hat		Kick Pad	Acoustic Drum Trigger					
			PD-125XS, PD-125X, PD-105X, PD-125BK, PD-125WT, PD-105BK, PD-105WT				PDX-8		PD-8			CY-15R-SV, CY-15R, CY-12R/C				CY-14C-SV, CY-14C			CY-8, CY-5		VH-12-SV, VH-12	VH-11	KD-140, KD-120BK, KD-120WT, KD-85BK, KD-85WT, KD-8, KD-7	RT-10S, RT-10K ^{*1} , RT-10T ^{*1}	
			Head Shot	Rim Shot	Brush Sweep ^{*3}	Head Shot	Rim Shot	Head Shot	Rim Shot	Choking	Bow Shot	Edge or Bell Shot ^{*4}	Three-Way Triggering	Choking	Bow Shot	Edge Shot	Choking	Bow Shot	Edge Shot	Choking			Head Shot	Rim Shot	
TD-20X	1 (KICK)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	—	—	○	○	—	
	2 (SNARE)	○ ^{*pos}	○ ^{*pos} ₂₋₁₀	○	○	○ ^{*2}	○ ^{*pos}	○	○	○ ^{*pos}	○	—	○	○ ^{*pos}	○	○	○	○	○	○	—	—	○	○	○
	3, 4, 5, 6 (TOM1, 2, 3, 4)	○	○ ^{*pos} ₁₀	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	○
	7 (HI-HAT)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	8, 9 (CRASH1, 2)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	10 (RIDE), 11 (EDGE)	○ ^{*pos}	—	—	○	—	○ ^{*pos}	○	○	○ ^{*pos}	○	○ ^{*5}	○	○ ^{*pos}	○	○	○	○	○	○	○	○	○	○	○
12, 13, 14, 15 (AUX1, 2, 3, 4)	○	○ ^{*pos} ₁₀	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TD-12	1 (KICK)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	—	○	○	—
	2 (SNARE)	○ ^{*pos}	○ ^{*pos} ₂₋₁₀	○	○	○ ^{*2}	○ ^{*pos}	○	○	○ ^{*pos}	○	—	○	○ ^{*pos}	○	○	○	○	○	○	○	○	○	○	○
	3, 4, 5 (TOM1, 2, 3)	○	○ ^{*pos} ₁₀	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	6 (HI-HAT)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	7, 8 (CRASH1, 2)	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	9 (RIDE), 10 (EDGE)	○ ^{*pos}	—	—	○	—	○ ^{*pos}	○	○	○ ^{*pos}	○	○ ^{*5}	○	○ ^{*pos}	○	○	○	○	○	○	○	○	○	○	○
11, 12, (AUX1, 2)	○	○ ^{*pos} ₁₀	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TD-9 ^{*13}	KICK	○	—	—	○	—	○	—	—	○	—	—	—	○	—	—	○	—	—	—	—	—	○	○	—
	SNARE	○	○ ^{*2}	—	○	○ ^{*2}	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	HI-HAT	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	TOM 1, 2, 3, AUX	○	○	—	○	○	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	CRASH 1, 2	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	RIDE	○	—	—	○	—	○	○	○	○	○	○ ^{*11}	○	○	○	○	○	○	○	○	○	○	○	○	○
TD-4	SNARE	○	○ ^{*2}	—	○	○ ^{*2}	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○
	HI-HAT	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	CRASH 1, CRASH 2	○	—	—	○	—	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	—
	RIDE	○	—	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	—
SPD-20	1, 2	○	○	—	○	○ ^{*9}	○	○	○	○	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○ ^{*9}
	3, 4	○	—	—	○	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	—
SPD-S	TRIG IN (1/2) ^{*6}	○	○ ^{*7}	—	○	○ ^{*7}	○	○ ^{*7}	—	○	○ ^{*7}	—	—	○	○ ^{*7}	—	○	○ ^{*7}	—	—	—	—	○	○	○ ^{*7}
HPD-15	TRIGGER INPUT ^{*6}	○	○ ^{*7}	—	○	○ ^{*7}	○	○ ^{*7}	—	○	○ ^{*7}	—	—	○	○ ^{*7}	—	○	○ ^{*7}	—	—	—	—	○	○	○ ^{*7,9}
HPD-10	EXT TRIG ^{*6}	○	○ ^{*12}	—	○	○ ^{*12}	○	○ ^{*12}	○ ^{*12}	○	○ ^{*12}	—	○ ^{*12}	○	○ ^{*12}	○ ^{*12}	○	○ ^{*12}	○ ^{*12}	○	○	○	○	○ ^{*12}	
TMC-6	2	○	○	—	○	○	○	○	○	○	○ ^{*5}	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Others	○	○ ^{*8}	—	○	○ ^{*8}	○	○	○	○	○	○ ^{*5}	○	○	○	○	○	○	○	○	○	○	○	○	○ ^{*8}
RMP-5	EXT TRIG ^{*6}	○	○ ^{*7}	—	○	○ ^{*7}	○	○ ^{*7}	○ ^{*7}	○	○ ^{*7}	—	○ ^{*7}	○	○ ^{*7}	○ ^{*7}	○	○ ^{*7}	○ ^{*7}	○	○	○	○	○	○ ^{*7}

*pos.: Positional sensing is available.

*To enable rim shot, edge shot, bell shot and choking techniques, you'll need to connect the pad with the stereo cable.

*1 Does not support rim shots.

*2 Supports Cross Sticks.

*3 Supports brush sweep techniques.

*4 Connect to the BOW/EDGE output jack for edge shots; connect to the BOW/BELL output jack for bell shots.

*5 With two cables, you can perform using three different tones: bow, bell, and edge.

*6 With a Y-Cable (PCS-31L), you can connect two pads to a single trigger input jack. However, rim shots, choking and edge or bell shot on each pad or cymbal are not available for use.

*7 You need to set the "Input Mode" to "HD/RM" (or "H-r" in the RMP-5).

*8 With a Y-Cable (PCS-31L), rim shots are possible with other trigger inputs in addition to Trigger Input 2.

*9 You need to select "PD-120" for trigger type settings.

*10 Positional sensing on rim is available.

*11 Open/Close control is possible. Since the module is not fully compatible with the VH-11, the expressiveness of the half-open play is different from the TD-20X/12.

*12 Compatible with "PAD/RIM" dual-triggering feature in EXT TRIG mode.

*13 TD-9 uses a dedicated D-Sub connection cable for input; separate Crash 2 and AUX inputs are also provided.

TD-20X DRUM INSTRUMENTS

Table listing TD-20 Drum Instruments with columns for No., Inst Name, and various instrument types like Kick, Snare, Tom, etc.

TD-20W DRUM INSTRUMENTS

Table listing TD-20W Drum Instruments with columns for No., Inst Name, and various instrument types like Kick, Snare, Tom, etc.

1: Snare and tom sounds: The letter that follows the Patch name indicates whether it's a head shot or rimshot. S: Snare head shot, SR: Snare rimshot, T1: Tom 1 head shot, T1R: Tom 1 rimshot...

TD-12 DRUM INSTRUMENTS

No. 1-561 of TD-20's preset drum instruments are also included in TD-12.

TD-20X/TDW-20 PRESET DRUM KITS

Table listing TD-20X/TDW-20 Preset Drum Kits with columns for No., Kit Name, and various instrument types.

No. 51-100 of preset drum kits are also included in TD-20X. *1: Brushes can be used. *2: Parameters including volume etc. are set to standard values. Use this when creating a kit from scratch.

TD-12 PRESET DRUM KITS

Table listing TD-12 Preset Drum Kits with columns for No., Kit Name, and various instrument types.

Loop: Loop Pattern: Playback starts when the pad to which the pattern is assigned is struck, and stops when hit again. (Loop Pattern) *1Shot: Playback (one time only) starts when the pad to which the pattern is assigned is struck. (One-Shot Pattern)

TD-9 DRUM INSTRUMENTS

Table listing TD-9 Drum Instruments with columns for No., Inst Name, and various instrument types like Kick, Snare, Tom, etc.

1: Snare and tom sounds: The letter that follows the Patch name indicates whether it's a head shot or rimshot. S: Snare head shot, SR: Snare rimshot, T1: Tom 1 head shot, T1R: Tom 1 rimshot...

TD-9 PRESET DRUM KITS

Table listing TD-9 Preset Drum Kits with columns for No., Kit Name, and various instrument types.

1: Snare and tom sounds: The letter that follows the Patch name indicates whether it's a head shot or rimshot. S: Snare head shot, SR: Snare rimshot, T1: Tom 1 head shot, T1R: Tom 1 rimshot...

Sound Lists

TD-9 PRESET SONGS

No.	Song Name	No.	Song Name	No.	Song Name	No.	Song Name	No.	Song Name	No.	Song Name	No.	Song Name	No.	Song Name
1	Altura Rock	6	Heavy Rock	11	ShuffleBlues	16	Urban R&B	21	Post Punk	26	FunkSolo Ptn	31	Mixture Ptn	36	NorthSoulPtn
2	Cool Jazz	7	Rock Ballad	12	Acid Jazz	17	NorthernSoul	22	Thrash Metal	27	ProgSolo Ptn	32	HeavyRockPtn	37	Ska Ptn
3	Neo Funk	8	Mixture Rock	13	Contemp Jazz	18	SouthernSoul	23	Skat	28	MedPops Ptn	33	AcidJazzPtn	43	Djembe
4	Medium Pops	9	70's Hard	14	Jazz Funk	19	Break Beat	24	Bossa Nova	29	70'sHard Ptn	34	R&B Ptn	39	SouthSoulPtn
5	New Disco	10	Prog Rock	15	Fusion	20	Jump'n Bass	25	JazzSolo Ptn	30	ContempJzPtn	35	BreakBeatPtn	40	BossaNovaPtn
41	Samba	46	Mambo	51	Flamenco12/8	56	Son 2-2	61	Rumba 3-2	66	Rumba 2-3				

TD-4 DRUM INSTRUMENTS

No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name		
KICK		SNARE		8	Brush R *1	16	TR909 R *1	15	TR808_3	5	TR909	7	TR808 E	PERCUSSION	16	TriangleOp	
1	Maple	1	Maple 1 R *1	9	Box R *1	17	TR909_2	16	TR909_1	5	TR909 E	8	Elec	1	Bongo Hi *3	17	TriangleCl
2	Deep	2	Maple 2 R *1	10	Whack	1	Wood 12"	17	TR909_3	8	TR909	2	Bongo Lo	18	SleighBell	18	ShuffleBl
3	Fiber	3	Maple 2 R *1	10	Whack R *1	3	Wood 13"	19	TR909_3	1	Medium16"	1	Heavy B *2	19	TreeChimes	19	TreeChimes
4	Compact	3	Steel	11	Barrel	4	Clear 12"	19	TR909_3	1	Medium16"E	1	Heavy B *2	20	Off	20	Off
5	Dark	3	Steel R *1	11	Barrel R *1	5	Clear 14"	21	TR909_3	2	Medium18"	1	Heavy B	21	Off	21	Off
6	Vintage	4	Brass	12	Club	7	Fiber 12"	21	TR909_3	3	Medium18"E	3	Dark 16"	22	Off	22	Off
7	Tight	4	Brass R *1	12	Club R *1	1	Bright	2	TR909_3	3	Dark 16"	1	Heavy B	23	Off	23	Off
8	HiHatAttack	5	Lite	13	Clip	8	Fiber 13"	2	TR909_3	4	Dark 18"	2	Lite B *2	24	Off	24	Off
9	Solid	5	Lite R *1	13	Clip R *1	9	Fiber 16"	2	TR909_3	2	Lite	2	Lite	25	Off	25	Off
10	Nu-Hip	11	Elec 1	14	Elec	10	Coated 12"	2	TR909_3	5	Splash	2	Lite B	26	Off	26	Off
11	Elec 2	6	Deep R *1	14	Elec R *1	11	Coated 13"	3	TR909_3	5	Splash E	3	Club	27	Off	27	Off
12	TR808	7	Open	15	TR808	12	Coated 16"	3	TR909_3	6	China 2	3	Club E	28	Off	28	Off
13	TR909	7	Open R *1	15	TR808 R *1	13	TR808_1	4	TR909_3	6	China E	3	Club E	29	Off	29	Off
		8	Brush	16	TR808	14	TR808_2	4	TR909_3	7	TR808_2	3	Club E	30	Off	30	Off

*1: When playing cross stick, set "Xstick Volume" to anything other than "OFF". *2: The ride and the bow sound will switch depending on the hitting strength. For these types of instruments, "B" is written in the name. *3: The sound will switch depending on the hitting strength. Concerning the snare sounds, "R" at the end of the name means that it is a rim shot sound. Concerning the cymbal sounds, "...E" or "B" at the end of the name means that it is an edge shot or a bell shot sound. Concerning the snare and cymbal sounds, ... Only the name of the head or the bow sound is shown in the factory preset settings. The rim or the edge sounds are automatically assigned.

TD-4 PRESET DRUM KITS

No.	Kit Name	No.	Kit Name	No.	Kit Name	No.	Kit Name	No.	Kit Name	No.	Kit Name	No.	Kit Name	
1	V-Compact	4	Light	7	Fiber	10	Brushes	13	ARENA	16	Percussion	19	Techno	
2	Coated	5	Heavy	8	Short Tail	11	Studio	14	Oldies	17	ISOLATOR	20	Drum'nBass	
3	Power	6	Vintage	9	HALL	12	Tight	15	Reggae	18	HiPHop	21	House	
													25	TR-909

SPD-20 PRESET INSTRUMENTS

No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	
■Bass Drum (Kick)		■Hi-Hat Cymbal		L77	Samba Loop *2	J10-J11	Matsuri Taiko x2	[Central America]	A15	TR-808 Hand Clap	E37	Drop		
b01-b03	Dry Kick x3	h01-h05	Pop Hi-Hat x5	L78	Shaker Loop *2	J12-J14	Taiko x3	M10-M11	Steel Drum x2	A16	TR-909 Hand Clap	E38	Emergency	
b04	Meat Kick	h06-h10	Real Hi-Hat x5	■Indian Percussion		J15	Taiko	[India]	E39-E40	Woody	x2			
b05	Pillow Kick	h11-h12	Brush Hi-Hat x2	01	Sarja Bell	J16	Yuko Dade	M12-M13	Sitar x2	001-002	Hand Clap x2	E41	Monster Drum	
b21-b22	Reverb Kick x2	h26-h29	TR-808 Hi-Hat x2	02-06	Bayia	J17-18	Buk	M14-M15	Santoor x2	003	Little Clap	E42	Car Drum	
b23-b25	Mondo Kick x3	h30-h31	TR-909 Hi-Hat x2	07-14	Tabla	J19	Jang-Gu	M16-M17	Tambura x2	d04	Hip Clap	E43-E46	Wax Guitar x4	
b26-b27	Solid Kick x2	h32-h33	CR-78 Hi-Hat x2	15-20	Pot Drum	J20-J22	Jing	M18-M19	Hammer Dulcimer x2	d05	Afro Clap	■Natural Sounds, Human Voice		
b39-b44	TR-808 Kick x6	h34-h35	TR-909 Kick x4	21-27	Madal	J23-J25	Gengari	M20	Kalimba	d11-d12	Scratch Bass Drum x2	n03	Doorbell	
b45-b48	TR-909 Kick x4	h36-h37	TR-909 Kick x4	28	Khole	M21	Log Drum	M21	Log Drum	d13	Scratch Snare	n04	Dog Bark	
b49	TR-806 Distortion Kick	h38-h39	TR-909 Kick x4	29-32	Dhol	J29-J30	Gu	M22	Balaphone	d14	Jungle Hat	n05	Bird	
b50	CR-78 Kick	h40-h41	TR-909 Kick x4	33	Tabla Baya Loop *2	J31-J32	Tang Gu	M23	Afro Zither	d19-d21	High-Q x3	n06	Car Door	
■Snare Drum		H17	Hand Cymbal Hi-Hat	■African/Middle Eastern/Australian/Other Percussion		J33-J34	Hu Yin Luo	[China]	d22	Air Blip	d23	Techno Snap	n07	Car Stop
S01-S03	Piccolo Snare x3	H18	Hi-Hat Cymbal *1	[Africa]	F01	Shekere	J35	Nao Bo	M24	Yang Qin	d24	Organ Chord	n08	Horn
S04-S06	Beech Snare x3	H19	Hi-Hat Cymbal *1	[Australia]	F02-F06	Djembe	J36	Xiao Bo	M25	Bonang	d25	Distortion Guitar	n09	Punch
S07-S09	Acoustic Snare x3	H20	Hi-Hat Cymbal *1	[Brazil]	F07-F09	Talking Drum	J37-J38	Tam-Tam	M26	Gendler	d26	Auh Voice	n13	Machine Gun
S10-S12	Steel Snare x3	H21	Hi-Hat Cymbal *1	[Japan]	F10-F13	Afro Drum	J39-J42	Gong	M27	Saron	d27	Techno Chord	n14	Pinhole
S13-S15	Loose Snare x3	H22	Hi-Hat Cymbal *1	[Middle East]	F14	Metal Castanets	J43	Finger Cymbal	M28	Angklung	d28	Techno Scene	n15	Siren
S16-S21	Medium Snare x6	H23	Hi-Hat Cymbal *1	[Middle East]	F15	Bell Tree	J44	Rama Cymbal	M29-M30	Gamelan	d29	Synth Hit	n24	Owl!
S22-S26	Concert Snare x5	H24	Hi-Hat Cymbal *1	[Latin Percussion]	F16-F17	Sagat	J45-J46	Chenchen	M31	Glass	d36	Retro UFO	n25	Wah!
S27	Roll Snare	H25	Hi-Hat Cymbal *1	[Latin Percussion]	F18-F20	Darbuka	J47-J48	Bail Cymbal	M32	Iron Hammer	d37	Metal Sweep	n26	Oh!
S39-S45	Brush Snare x7	H26	Hi-Hat Cymbal *1	[Latin Percussion]	F21-F22	Doira	J49	Thai Gong	M33	Bamboo	d38	Bounce	n27	Hey!
S46	Rock Snare	H27	Hi-Hat Cymbal *1	[Latin Percussion]	F23-F27	Doholla	J50-J51	Jaws Harp	M34	Drip	d39	Distortion Swish	n28	Out!
S47	Rocker Snare	H28	Hi-Hat Cymbal *1	[Latin Percussion]	F28-F31	Rek	J52	Shime Taiko	M35-M36	Synth Strings	d40	PCM Press	n29	Out Up
S70-S71	Jungle Snare x2	H29	Hi-Hat Cymbal *1	[Latin Percussion]	F32	Bendir	J53	Xiao Bo	M37-M43	Brass	d41	Jungle Roll Kick	n30	Screen
S72-S73	Electronic Snare x2	H30	Hi-Hat Cymbal *1	[Latin Percussion]	F33	Dawul	J54	Chenchen	M44-M52	Choir	d42	Jungle Roll Snare	n31	Voice Loop *2
S74-S75	TR-808 Snare x2	H31	Hi-Hat Cymbal *1	[Latin Percussion]	F34	Shaker	J55	Chenchen	M53-M59	Bass	d43	Techno Loop *2	r01	■Ambience, Reversed Sounds
S76	TR-909 Snare	H32	Hi-Hat Cymbal *1	[Latin Percussion]	F35	Boomerang	J56	Chenchen	A01	DR-55 Claves	E02-E03	Boing x2	r02	Reverse Tom
S77	TR-707 Snare	H33	Hi-Hat Cymbal *1	[Latin Percussion]	F36	Bloom Bell	J57	Chenchen	A02	CR-78 Cowbell	E04	Onkey	r03	Reverse Tom
S78	TR-806 Snare	H34	Hi-Hat Cymbal *1	[Latin Percussion]	F37	Afro Loop *2	J58	Chenchen	A03	CR-78 Metallic Beat	E05	Tom Noise	r04	Voice HiHat x1
S79	CR-78 Snare	H35	Hi-Hat Cymbal *1	[Latin Percussion]	F38	Afro Loop *2	J59	Chenchen	A04	CR-78 Guiro	E06	Lazer	r05	Reverse Tom
S80-S86	Cross Stick x7	H36	Hi-Hat Cymbal *1	[Latin Percussion]	F39	Afro Loop *2	J60	Chenchen	A05	CR-78 Tambourine	E07	Feedback Wave	r06	Reverse Tom
■Tom-Tom		H37	Hi-Hat Cymbal *1	[Latin Percussion]	F40	Afro Loop *2	J61	Chenchen	A06	CR-78 Maracas	E08	Atmosphere	r07	Reverse Tom
I01-I04	Big Tom x4	H38	Hi-Hat Cymbal *1	[Latin Percussion]	F41	Afro Loop *2	J62	Chenchen	A07	CR-78 Bongo	E09	Bend Synth	r08	Reverse Tom
I05-I08	Studio Tom x4	H39	Hi-Hat Cymbal *1	[Latin Percussion]	F42	Afro Loop *2	J63	Chenchen	A08	CR-78 Claves	E10	Toy Gun	r09	Reverse Tom
I09-I12	Jazz Tom x4	H40	Hi-Hat Cymbal *1	[Latin Percussion]	F43	Afro Loop *2	J64	Chenchen	A09	TR-707 Cowbell	E11	Toy Gun	r10	Reverse Tom
I27-I28	Room Tom x2	H41	Hi-Hat Cymbal *1	[Latin Percussion]	F44	Afro Loop *2	J65	Chenchen	A10	TR-727 Agogo	E12-E30	Noise Accent x4	r11	Reverse Tom
I29-I30	Acoustic Tom x2	H42	Hi-Hat Cymbal *1	[Latin Percussion]	F45	Afro Loop *2	J66	Chenchen	A11	TR-808 Conga	E31-E34	Random Noise x4	r12	Reverse Tom
I37	TR-808 Tom	H43	Hi-Hat Cymbal *1	[Latin Percussion]	F46	Afro Loop *2	J67	Chenchen	A12	TR-808 Claves	E35	Slide	r13	Reverse Tom
I39-I40	TR-909 Tom x2	H44	Hi-Hat Cymbal *1	[Latin Percussion]	F47	Afro Loop *2	J68	Chenchen	A13	TR-808 Maracas	E36	Uut?	r14	Reverse Tom
		H45	Hi-Hat Cymbal *1	[Latin Percussion]	F48	Afro Loop *2	J69	Chenchen	A14	TR-806 Cowbell			r15	Reverse Tom

HandSonic 15 PRESET INSTRUMENTS

No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name	No.	Inst Name
LATIN		L98-I03	Berimbau x5	F55-F57	Mongu x3	I55	Dawul x1	A33	Bend Gong x1	O19-O14	Orch Hit x2	r04	Voice HiHat x1
L01-L05	Bongo Hi x6	I04-I06	Caixa x3	F58	Clapstick x1	I56-I57	HmrDclmr x2	A34	Yang Qin x1	O15	DrmMaj Wrstl x1	DANCE	
L06, L08	Bongo Lo x2	I07-I08	Rain Stick x2	F59	Boomerang x1	ASIAN		A35-A36	Finger Cym x2	O16	Glockenspiel x1	D01-D05	Hand Clap x5
L09-L18		I09	SambaBateria x1	F60	Bamboo x1	A01	Biwa x1	A37	Rama Cymbal x1	O17	Vibraphone x1	D06-D12	Scratch x7
L28-L29	Conga Hi x12	I10-I11	SpaceConga x2	F61	BloomBell x1	A02	Atarigane x1	A38-A40	Chenchen x3	O18	Xylophone x1	D15-D18	Trash x4
L19-L23	Conga Lo x10	I12-I13	E-Conga x2	INDIAN		A03	Hyoshigi x1	A41-A43	Bail Cym x2	O19-O20	Marimba x2	D19-D21	High-Q x3
L31-L34	Cowbell x4	I14-I25	AnalognPercs x12	J01	Sarja Bell x1	A04	Ohkawa x1	A44	Thai Gong x1	O21	Bass Marimba x1	D29-D36	Hit x8
L35-L36	Claves x2	AFRICAN		I02-I09	Tabla	A05-A06	Tsuzumi x2	A45-A47	JawsHarp x3	O22	Celesta x1	etc	x18
L37-L40	Guiro x4	F01	Shekere x1	I10-I14	Bayia	A07-A08	Shime Taiko x2	A48	Bonang x1	O23	Tubular Bell x1		
L41	Maracas x1	F02-F07	Djembe x6	I15-I19	Dholak	A09-A10	MatsuriTaiko x2	A49	Gendler x1	O24	Glass x1	S23-S26	Shot x4
L42-L44	Shaker x3	F08-F13	Small Djembe x6	I20-I23	Madal	A11-A12	Buk	A50	Saron x1	O25	Iron Hammer x1	S27-S36	Noise x10
L45-L46	Tambourine x2	F14-F16	TalkingDrum x3	I24	Khole	A13	Jang-Gu						

V-Drums Lite HD-1

The All-In-One Kit For Every Home



The HD-1 is the proud recipient of:



*V-Drums Lite HD-1 is available only as a complete kit. The sound source, pads, stands, etc., are not sold individually.
*Monitor speakers, mats, and sticks sold separately.

The HD-1 is forged from the same technology as its V-Drums predecessors, but it's smaller, more affordable, and much simpler to use. It's also incredibly quiet, thanks to the newly designed kick beater, cushioned tom pads, and snare head. Most of the HD-1's components are mounted on one stand for easy setup and transport, and for a clean look. Just take it out of the box and play.

Great sound with complete volume control

The V-Drums Lite HD-1 has 10 carefully selected drum kits built in that inherit the powerful and expressive sound of flagship V-Drums kits. Thanks to the mesh-head snare, cushion tom head, and beaterless kick, the HD-1 enables noise-free playing with complete volume control.

Drum Kits

No.	Normal Kit	Variation Kit
01	Acoustic	Jazz
02	Power	Double Bass
03	Drum & Percussion	World
04	Electronic	Dance
05	Voices	Droid

Simple control, convenient functions

The HD-1's ease of use is exemplified by its friendly layout of knobs and buttons. No guessing, no hunting through menus — everything is clearly labeled and easy to access, including handy features such as the built-in metronome and MIX-IN jack, which lets you incorporate digital-audio players into your practice and performances.



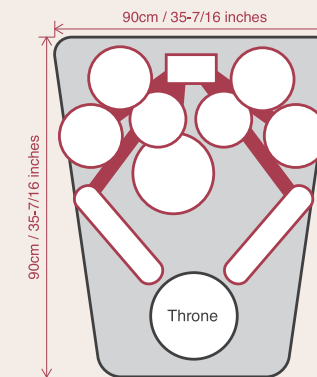
From setup to performance, the included DVD shows you how

To enhance the experience of setting up and playing the drums, Roland provides a DVD manual with each HD-1. The content covers everything from kit assembly and operational controls to drumming rudiments and playing techniques. This easy-to-understand guide is sure to help even absolute beginners get a fast start.



Space-Saving Design

Dimensions



*Mat and throne sold separately.

A distinguishing feature of the HD-1 is its small footprint. For a drum kit, it requires far less space than you would imagine. Including the throne, it only occupies 90cm x 120cm (35-7/16" x 47-1/4") of floor space. It fits perfectly in a corner of any room.

Learn more about V-Drums Lite on Roland.com!

http://www.roland.com/V-Drums_Lite/



On Roland's official website you'll find a wealth of information on the HD-1, including movies, practice pieces, a Room Layout simulator, and other useful items that you can download free of charge.

SPECIFICATIONS

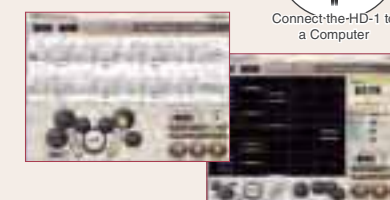
• Kit Configuration Kick Pedal, Snare, Hi-Hat, Hi-Hat Pedal, Tom x 3, Crash, Ride • Drum Kits 10 • Preview Patterns 10 • Controls Drum Kits buttons x 5, Variation button, Metronome button, Volume knob, Tempo knob • Metronome Tempo (40 to 220), Sounds (3 types), Volume (3 levels) • Connectors Output jack (Stereo miniature phone type)*1, Headphone jack (Stereo miniature phone type), Mix In jack (Stereo miniature phone type), MIDI Out connector (5-pin DIN type), Trigger Cable connector (25-pin D-sub type) • Output Impedance 100Ω • Power Supply AC Adaptor (DC 9 V) • Current Draw 300 mA • Dimensions 850 (W) x 560 (D) x 1170 (H) mm/ 33-1/2 (W) x 46-1/16 (D) x 46-1/16 (H) inches • Weight 15 kg / 33 lbs 2 oz (Excluding AC Adaptor) • Accessories Owner's Manual, Set-up Guide, Manual DVD, AC Adaptor (PSB-1U), Trigger Cable (Pre-wired in the DrumStand), Drum Key, Screwdriver, Roland Sticker *1 Output Jack can be connected with headphones.

OPTIONS

HD-1 Drum Tutor DT-HD1

USB-MIDI Interface Included

Connect the HD-1 to a Computer



Accessories
• UM-1G USB-MIDI Interface • HD-1 Drum Tutor CD-ROM
• Audio Cable • Cable Tie • Install Guide

Drum Tutorial Software for HD-1

Roland's HD-1 V-Drum Lite is a big hit with beginners around the world. To enhance the HD-1 experience and help drummers learn the fundamentals, Roland has created DT-HD1, a fun, educational interactive software application. Connect your HD-1 to a PC via USB, launch the software, and play along and learn.



System Requirements
Operating System: Microsoft Windows XP SP2, Microsoft Windows Vista * This does not work with the 64-bit Edition of Windows, CPU/Clock: Intel® Core, Pentium processor 1.2 GHz or higher (2.0 GHz or higher is recommended), RAM: 512 MB or more, Hard Disk: 25 MB or more, Display/Colors: 1024 x 768 or higher/65,536 colors (16 Bit High Color) or more, Others: CD-ROM Drive, USB Port

Personal Drum Monitor PM-01

Monitoring the HD-1 through headphones is ideal for private practice, but when you want your drumming to be heard in the room, the PM-01 personal monitor is the ideal solution. It's small, great-sounding, affordable, and a perfect cosmetic match for the HD-1.



V-Drums Accessory Package DAP-1

This handy drum accessory package is ideal for entry-level V-Drums owners, allowing them to start playing their V-Drums right out of the box.



V-Drums Mat TDM-1

This drum mat is specially designed for the HD-1 V-Drums Lite. It helps reduce vibration and protect against floor damage.



Support Stand for PC SS-PC1

Position your laptop next to the HD-1 with this sturdy, custom-built stand. It's an ideal accessory when using DT-HD1 software with the HD-1.



*Computer not included

SPECIFICATIONS

• Dimensions 640 mm / 25-1/4 inches (W), 555 mm / 21-7/8 inches (D), 600-950 mm / 23-5/8-37-7/16 inches (H) (height of mounting surface) * Includes the tripod • Weight 3.5 kg / 7 lbs 12 oz • Size of notebook computers that can be mounted Up to E4 size 200-390 mm / 7-7/8-15-3/8 inches (W), up to 300 mm / up to 11-13/16 inches (D), 21-41 mm / 7/8-1-5/8 inches (H) (not including screen) * It may not be possible to mount some designs of notebook computer • Weight capacity: 4 kg / 8 lbs 14 oz



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