485 232 Convertor

Two way RS-232/RS485 convertor with ID

SPECIFICATIONS

INPUT VOLTAGE	12V-DC, 500mA
LED INDICATION	With RXD, TXD and Power LED indicator
COMMUNICATION STANDARD	RS-232 to RS485 or RS-485 to RS-232
COM PORT	1 x RS-232 or 1x RS-485
COMMUNICATION	RS-232/RS-232 bi-directional data exchange transmission
COMMUNICATION DISTANCE	1200m (*using a twisted-pair shielded cable)
OPERATION CURRENT	65mA
HOUSING	Metal
DIMENSIONS | WEIGHT	(40 x 80 x 25)mm | Weight: 110g
ACCESSORIES	AC-DC Power Adaptor 12V-DC, 350mA 1 x 2 Pin Terminal Block 1 x 3 Pin Terminal Block

** For detail and updated RS-232 Command protocol for programming, please visit and download from **www.abtussingapore.com**

Specifications are subject to changes without notice.

Model: **A934-485M-100**
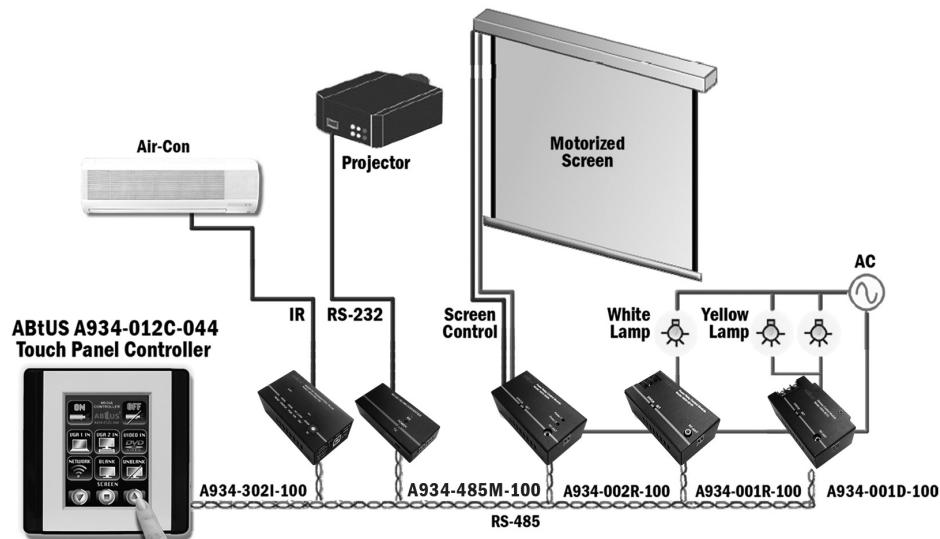
TYPICAL APPLICATIONS

Any professional control system requiring multiple AV, lighting or environmental control.

• Schools (Media Classroom) • Churches
• Corporate Applications (Meeting Room)
• Home Automation•Home Theaters
• Hotels In Room Control

PRODUCT DESCRIPTION

The **ABtUS A934-485M-100** is a RS232 / RS485 two way converters, It is the most simple device use for 232 to 485 or 485 to 232 conversion without any feature set.

With it's small size design, long transmitting distance and stability characteristics, it could be installed almost in any application and location. Example: Car-parking system, Remote control system Lighting Control system or even industrial application.

PRODUCT HIGHLIGHTS

- Require only the use of RS-232 the RXD, TXD, GND signal line
- Automatically converted to RS-485 with zero delay
- RS-232 communications distance can be extended up to 1200 m (*using a twisted-pair shielded cable)
- With RXD, TXD, Power LED Indicator
- Support multi-point communications
- Support ID setting from 00H to 1FH (32 ID)
- Support baud rate setting from 2400 to 115200

Entering into "Set Up Mode":
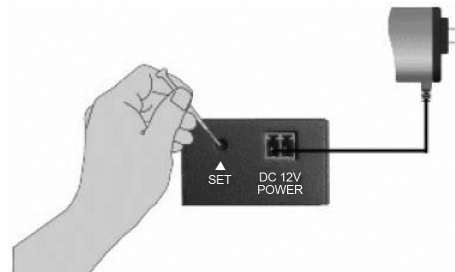Making use of a small screw driver and press the **"SET"** button once as shown below
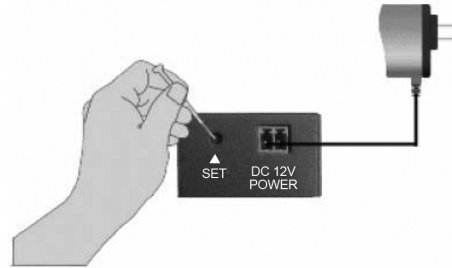
The **"Power"** LED indicator will start flashing instead of always **"ON"** Unit will stay in **"Set Up Mode"** for 60 sec before returning to normal mode.

To return to "Normal Model" :
Making use of a small screw driver and press the **"SET"** button once again as shown below

Model Number:	A-934-485M	RS-232 ~ RS-485 Convertor Module
RS-232 Parameter:		
Baud rate:	9600	
Data bit:	8	
Parity bit:	Non	
Stop bit:	1	Product ID Code: CE

S/No.	Function	Operation Type	Command Code
1	Get Current Setting	Get	CE 00 00 52 12 00 00 00 00 FE
2	232(9600,8,N,1) 485(9600,8,N,1)	Set	CE 00 00 57 1 05 00 05 00
3	232(19200,8,N,1) 485(9600,8,N,1)	Set	CE 00 00 57 1 07 00 05 00
4	232(38400,8,O,1) 485(9600,8,N,1)	Set	CE 00 00 57 1 08 0C 05 00
5	RS-232, RS-485		CE 00 00 57 1 XX YY XX YY E
6	XX : Baud Rate Setting		

		XX	Baud Rate	YY	Parity, Data bit, Stop bit
7					
8		01	1800	00	8, Non, 1
9		02	2400	01	8, Non, 2
10		03	4800	02	7, Non, 1
11		04	7200	03	7, Non, 2
12		05	9600	08	8, Odd, 1
13		06	14400	09	8, Odd, 2
14		07	19200	0A	7, Odd, 1
15		08	38400	0B	7, Odd, 2
16		09	57600	0C	8, Even, 1
17		0A	115200	0D	8, Even, 2
18				0E	7, Even, 1
19				0F	7, Even, 2
20	** For best performance, please set RS-485 between module at 9600, 8, Non, 1		
21	Get current ID	Get	CE **7F** 00 52 **1D** 00 00 00 00 FE
22	Set ID from 0 to 1	Set	CE **00** 00 57 **1D** 00 00 00 01 FE
23	Set ID from 1 to 2	Set	CE **01** 00 57 **1D** 00 00 00 02 FE
24	Set ID from 2 to 0	Set	CE **02** 00 57 **1D** 00 00 00 00 FE
25	Set ID from 0 to 32	Set	CE **00** 00 57 **1D** 00 00 00 1F FE
26	Set ID from 32 to 0	Set	CE **1F** 00 57 **1D** 00 00 00 00 FE
27	** RS-485 to RS-232 communication format : **7B ID DATA 7D**		
28	** RS-232 to RS-485 communication format : **5B ID DATA 5D**		
29	** DATA can not be more then 56 Bytes		