

RS-232 COMMAND CODE

RS-232 Command Code	Item	Description	Command code (Hex)
Description Setting	1.	VOL SET 01	53 45 54 53 09 30 56 43 30 30 31 30 30 31
Baud Rate : 9600bps	2.	VOL SET 20	53 45 54 53 09 30 56 43 30 30 31 30 32 30
Data Length : 8 bits	3.	VOL SET 54 (max)	53 45 54 53 09 30 56 43 30 30 31 30 35 34
Parity : Non Parity	4.	VOL UP	53 45 54 53 09 30 72 43 30 30 31 30 30 2B
Stop Bit : One stop bit	5.	VOL DOWN	53 45 54 53 09 30 72 43 30 30 31 30 30 2D
X on/Off : None	6.	BASS SET 00 (min)	53 45 54 53 09 30 49 43 30 30 31 30 30 30
	7.	BASS SET 15 (max)	53 45 54 53 09 30 49 43 30 30 31 30 31 35
	8.	BASS UP	53 45 54 53 09 30 76 43 30 30 31 30 30 2B
	9.	BASS DOWN	53 45 54 53 09 30 76 43 30 30 31 30 30 2D
	10.	TREBLE SET 00 (min)	53 45 54 53 09 30 4A 43 30 30 31 30 30 30
	11.	TREBLE SET 15 (max)	53 45 54 53 09 30 4A 43 30 30 31 30 31 35
	12.	TREBLE UP	53 45 54 53 09 30 77 43 30 30 31 30 30 2B
	13.	TREBLE DOWN	53 45 54 53 09 30 77 43 30 30 31 30 30 2D
	14.	AUDIO MUTE ON	53 45 54 53 09 30 41 43 30 30 31 30 30 31
	15.	AUDIO MUTE OFF	53 45 54 53 09 30 41 43 30 30 31 30 30 30
		Get Status	
	1.	GET VOL	53 45 54 53 09 31 56 43 30 30 31 58 58 58
	2.	GET BASS	53 45 54 53 09 31 49 43 30 30 31 58 58 58
	3.	GET TREBLE	53 45 54 53 09 31 4A 43 30 30 31 58 58 58

RS-232 Connection

Pin	Function
1 Tx	Transmit data
2 Rx	Receive data
3 GND	Ground



SPECIFICATIONS

Technical	Model: Signal Type	SPS-S035A/P1 Connector type	SPS-S035A1 Connector type
Input	2 x Stereo Audio Line-in (Mixed)	2 x 3pin screw type terminal block	2 x 3pin screw type terminal block
Output	1 x Left Speaker	1 x 2pin screw type terminal block	1 x 2pin screw type terminal block
	2 x 12V DC (Max 1A)	2 x 2pin screw type terminal block	2 x 2pin screw type terminal block
	1 x Line out (Loop Out)	1 x 3pin screw type terminal block	1 x 3pin screw type terminal block
Control Port	RS-232	1 x 3pin screw type terminal block	NIL
	External Volume Control (0-5V)	1 x 3pin screw type terminal block	NIL
Output Power Speaker Unit		35W + 35W	
	Tweeter	1" (balanced dome)	
	Woofers	5 3/4" PP cone	
Sensitivity		89 dB	
Frequency Range		20 Hz to 20 KHz (Amplifier) 30 Hz to 18 KHz (Speaker)	
Treble Adjust		± 10 dB	
Bass Adjust		± 10 dB	
Separation		≥ 45 dB	
S/N Ratio		≥ 75 dB	
Power Supply	Switching Power Supply unit AC 100-240V 50/60Hz		
Mechanical			
Housing	ABS enclosure		
Dimensions (L x W x H)	Product	Package	
Weight	288 x 215 x 180 mm	425 x 250 x 330 mm	
	3.4 Kg (*Active Speaker)	6.8 Kg	
	3.2 Kg (*Passive Speaker)		
Fixedness	2 x Wall-Mount U bracket		
Package include			
	1 x Active Speaker *With Eco Digital Audio Amplifier	1 x Passive Speaker	
	2 x Wall-mount U bracket	1 x Quick User Guide	
	1 x Power Cord	1 x Speaker Cable	

Eco Active Speaker System

“Eco Digital Amplifier 35W per channel”



Model: SPS-S035A/P1

PRODUCT DESCRIPTION

The **ABtUS SPS-S035A/P1** is a new Eco improved Active speaker System that design to delivers quality stereo audio amplification within a speaker system. With a output power at 2 x 35 watts, this speaker provide a new generation of energy save Active speaker system that offer a powerful and versatile answer to any installation's needs especially in a multi media class room.

With it's unique **"Auto Power ON/Off base on with input detection"** and digital amplification circuit, it consume as low as 4.5 watts of power in a typical usage, which make this the most Eco-friendly amplification solution ever.

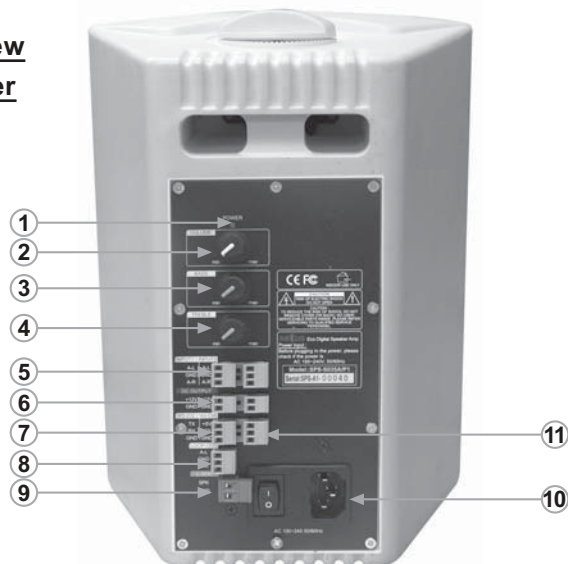
A RS-232 is integrated so that Volume, Treble, Bass ect. can be controlled by any third party central media control system when required.

PRODUCT HIGHLIGHTS

- Integrated with Switching Power Supply Unit for best power efficiency
- Integrated with Digital Audio Amplifier with a low power consumption
- Integrated with input signal sensing for Auto Power ON/OFF to maximum power efficiency
- A Fully Eco Friendly Speaker System
- A RS-232 I/O allows control from any third party central control system
- A 0~5 V external Volume connectivity

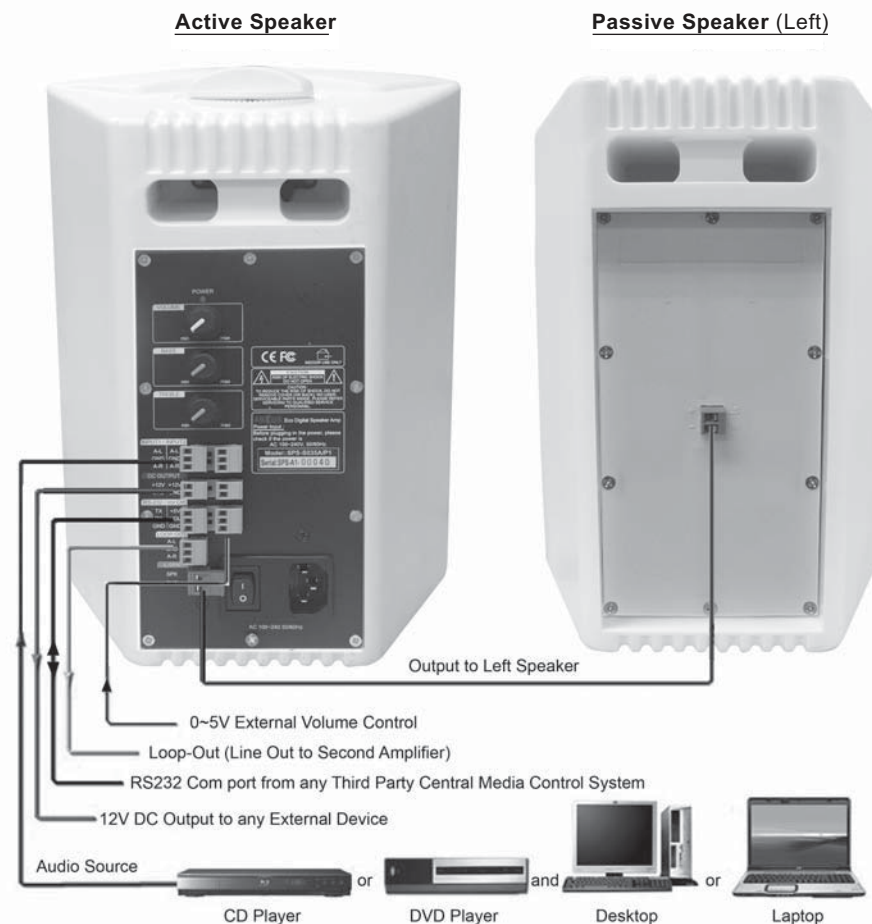
Back Panel View

*Active Speaker



Item	Description
SPS-S035A/P1	
1. POWER LED	Power Indicator (LED)
2. MAIN VOLUME	Main Volume Level Control (*Digital control)
3. BASS	Bass Level Control (*Digital control)
4. TREBLE	Treble Level Control (*Digital control)
5. INPUT 1 / INPUT 2	Mixed Line-1 and Line-2 Input
6. DC OUTPUT	2 x 12V DC Output 1(Max. 1A) (*for supply to any external device)
7. RS-232	RS-232 (External Control/Setting) (*external control from any media central control system)
8. LOOP-OUT	Loop Out (Line Out to Second Amplifier)
9. L-SPK	Output to "L-Spk" (Left Speaker)
10. MAIN AC IN	Main AC power Input (*AC 100~240, 50/60Hz)
11. VOL CONTROL	0~5V External Volume Control

SYSTEM DIAGRAM



Typical Application

Any audio integration that required simple and a eco power saving digital audio amplification speaker system

- Schools (Lab, LT ect.)
- Churches
- Corporate Applications (Function Room)
- Rental