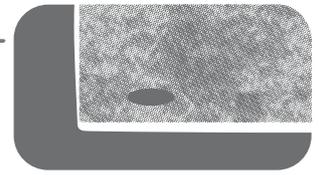




# A-BUS/DIRECT WALL / A-BUS/PASSIVE WALL

ABD-W5 / ABP-W5

## Wall Mounted Architectural Speakers Installation Guide / Warranty Information



### Welcome to Forté A-BUS Multi-Room Audio

We hope you enjoy your Forté A-BUS system. Your Forté A-BUS component has been designed to give high quality sound, and is simple and functional to operate. All Forté A-BUS products bearing the Forté A-BUS logo are made to the A-BUS Standard, so when you connect a Forté A-BUS input device, hub, volume control module or Forté A-BUS/DIRECT speaker they are compatible with each other. All Forté A-BUS components are simple to install, service or upgrade; thus enhancing your system with components that offer improved features should be easy.

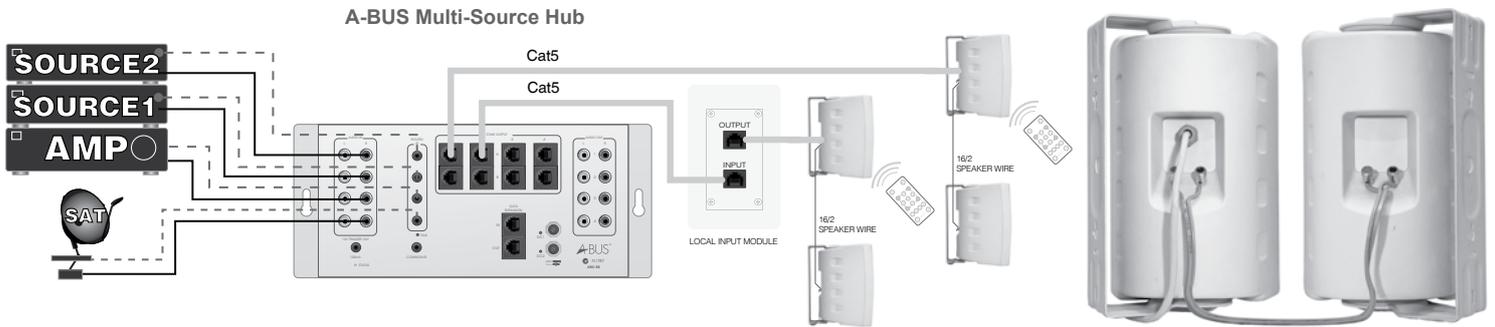
When designing an audio system it is important to balance and match the

quality of the components. Forté A-BUS delivers high quality audio signal to every room so it is important that the correct speaker match is made.

Most on wall loudspeakers look the same but their quality varies greatly. The ABD-W5 and ABP-W5 speakers have been specifically designed for A-BUS to maximise performance and durability to provide the reliability needed for rugged conditions.

Please refer to each of the individual manuals on A-BUS/READY amplifiers and A-BUS hubs for further installation instructions.

### Forté A-BUS/DIRECT WALL Installation



The ABD-W5 is a pair of speakers with one active speaker as the master (right channel) and has the A-BUS amplifier mounted on the back plus an infrared receiver for system control (volume level, ON/MUTE and source control) mounted behind a red lens on the front. The input is a 3m (10') Cat5 fly lead terminated with a RJ-45 plug. A double ended RJ-45 adapter is supplied to interface with the Cat5 cable run from the hub. The master has right channel speaker output terminals for connection to the passive speaker. A 5m (15') speaker cable is supplied.

**Termination Standard:** RJ-45 as T568A.

**Note:** The A-BUS input cable connection on the speaker is a waterproof and dustproof cable gland. It is a permanent connection and cannot be removed.

**Infrared Repeater:** A-BUS/DIRECT WALL speakers will pass most infrared commands without difficulty. They will repeat standard 38 kHz commands and 56 kHz commands which are often used in satellite receivers.

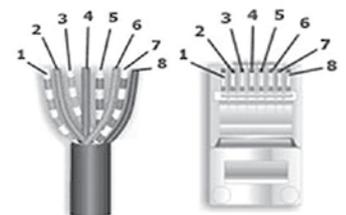
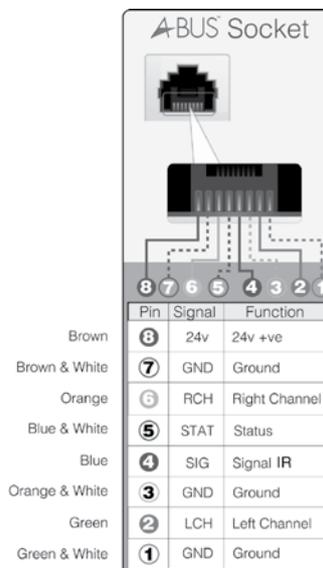
**Remote IR Range:** The operating range of your Remote Control will vary according to the light conditions, the quality of the IR remote (and battery condition) and the system design in the components. In ideal conditions in areas with low light the range should be up to 30m (100ft) on axis; however, in areas of high sunlight or lighting such as low-voltage lighting which can emit light in the infrared frequency range the operating range can be substantially less. In direct sunlight the range may be reduced to as little as 5m (15ft). Care should be taken when planning your A-BUS system installation to locate the A-BUS/DIRECT WALL speakers in a position away from direct light and in a position convenient to the users to point the IR Remote Control to the receiver in the module.

**Note:** Remote controls are not RF devices. The commands are sent by line-of-sight and will not go around corners or work if there are any obstructions between the remote and the receiver.

**System Status Indicator:** The Red LED behind the red lens on the front to the master speaker. When the A-BUS system is active it is on. If an infrared signal is received it will flash.

**Correct Phase:** The speaker terminals coloured black and red to ensure both speakers are wired in phase. Care should be taken to make sure the wiring is correct. If wired incorrectly stereo image is lost and bass frequencies are cancelled producing a thin lifeless sound and low level output. Damage can occur if the volume level is increased to compensate for the level loss.

**CAUTION:** Make sure to observe speaker polarity, + to + and - to -. The - ground terminal is normally black and the + is normally red. Incorrect wiring will reduce sound quality and may damage the speakers.



## ABR-43 Operating Instructions - See Individual Instructions

The ABR-43 learning remote keypad with wall cradle includes standard A-BUS commands; it also has learning capability for source commands. It can be used as a hand held remote or as a keypad housed in its wall cradle or mounted magnetically on to a metal surface. Commands are easy to learn. Care should be taken to keep the remote control away from moist areas and out of direct sunlight.



## Forté A-BUS Speaker Installation

**Indoor mounting:** The speakers should be mounted in a position that will provide a stereo image to the main listening area in a room. They should not be directly above the listeners or facing directly over hard or reflective surfaces. In dining areas where defused sound is preferred the speakers should be placed in diagonally opposite corners.

If the speakers are to be mounted in a vertical position the high frequency tweeters should ideally be located at ear level. If they are close to the floor the tweeters should be above the bass driver; if close to the ceiling they should be reversed.

**Outdoor Mounting:** Your speakers are weather resistant and the plastic is UV resistant; however, it is recommended that they be mounted undercover and away from direct sunlight. The master speaker is supplied with 3m (10') fly lead so connection to the Cat5 cable from the hub can be made in a secure weatherproof location.

In outdoor situations low/bass frequencies are less effective. Care should be taken not to over drive the speakers to compensate for this loss as damage may occur to the speaker. For best performance the speakers should be located close to the main listening area. Care should also be taken to minimize sound traveling to neighbouring areas, the speakers should be directed away from open areas. The most common outdoor mounting position is under eaves with the speakers angled at 45 degrees.  
*Caution: water surfaces are highly reflective.*

**Speaker Painting:** If your speakers are to be painted it should be done prior to the installation. The grilles should be painted separately; care should be taken to make sure the holes do not get blocked. Diluting the paint or automotive spray painting normally provide the best results.

**Preparing Speaker Cable ABP-W5 Passive speakers:** To prep for connection to the passive speaker, strip back the outside insulation or sheathing so the individual conductors are showing. Depending on the cable, there should be two or four separate conductors. Strip back the insulation on each conductor to show the bare copper wire. We suggest stripping enough so that 10mm of copper wire is showing. Twist cable so there is not any loose wires. Push down each clip and insert the speaker cable so it fits cleanly. The colour-coded clips are located on the back of the speaker. Make sure only BARE wire is touching the speaker clip once it slides back into place. All Forté A-BUS speakers feature spring clip terminals which are quick and simple to use.

**A-BUS/DIRECT ABD-W5 Active speakers:** Make sure the speaker cable between the master driver and the passive driver is installed when the Cat5 cabling is installed. If a longer length is required use 14 to 16 gauge twin core copper cable.

When connecting the other end of the speaker cable to the amplifier or receiver, make sure to observe the same polarity as you did at the speaker connection.

## Specifications



**ABD-W5**  
**SPEAKER TYPE:** 2-way Indoor/Outdoor speaker  
**WOOFER:** 135mm (5.25") PP Mica  
**TWEETER:** 25mm (1") silk dome  
**FREQUENCY RESPONSE:** 65-20k Hz  
**SENSITIVITY:** 88 dB  
**GRILLE:** Aluminium  
**PLASTIC:** UV Resistant, IP-65 Rated  
**COLOUR:** Soft White  
**MOUNTING:** Standard "U" bracket  
**AMPLIFICATION:** A-BUS Digital  
**CONTROL:** ABR-43 Learning Remote Keypad  
**IR:** Built-in IR receiver head with confirmation LED  
**STATUS:** Muting facility with indicator LED  
**WEIGHT:** 4.8 Kg, 10.58lbs (12.2Kg, 26.9 lbs/ctn)  
**SIZE:** 155 x 240 x 190mm /  
10.04" x 9.448" x 7.48" (WHD)  
(including bracket)



**ABP-W5**  
**SPEAKER TYPE:** 2-way Indoor/Outdoor speaker  
**WOOFER:** 135mm (5.25") PP Mica  
**TWEETER:** 25mm (1") silk dome  
**POWER REQUIREMENT:** 5-50 watt  
**NOMINAL IMPEDANCE:** 8 ohms  
**FREQUENCY RESPONSE:** 65-20k Hz  
**SENSITIVITY:** 88 dB  
**GRILLE:** Aluminium  
**PLASTIC:** UV Resistant, IP-65 Rated  
**COLOUR:** Soft White  
**MOUNTING:** Standard "U" bracket  
**WEIGHT:** 4.5 Kg, 9.92lbs (11.6kg, 25.57 lbs/ctn )  
**SIZE:** 155 x 240 x 190mm /  
10.04" x 9.448" x 7.48" (WHD)  
(including bracket)



**ABR-43 Learning Remote Keypad with Wall Cradle**  
**Colour:** White  
**Battery:** 2 x 3v DL2032  
**Dimensions:**  
**Cradle:** 73.8 x 117.8 x 10mm (WHD)  
**Remote:** 49.8 x 99.9 x 7.8mm (WHD)

## Warranty

Please contact your place of purchase for warranty information.



A-BUS is a registered trademark of LeisureTech Electronics. The A-BUS technology is covered by the following patents - United States US 7,181,023, 7,668,318, 6,389,139; Australia AU 739808; New Zealand NZ 502982; Mexico MX 241196; Canada CA 2301062.  
All features and specifications are subject to change without notice [www.leisuretech.com.au](http://www.leisuretech.com.au)