

### Single-source

### Installation Guide / Warranty Information

#### Features

Thank you for your Forté A-BUS purchase.

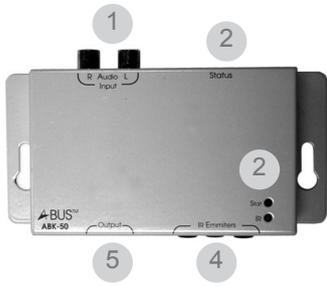
- 1 **AUDIO:** Audio input from the main amplifier's tape output or second zone output.
- 2 **STATUS:** There are several ways to activate an A-BUS system. When not in operation the A-BUS system is in mute mode. It is activated by: -
  - Automatic Signal Sensing (Default): The hub automatically detects when audio signal is present and activates the A-BUS system. 30 Seconds after the audio signal ends the system returns to mute.
  - Main System Sensing (Preferred): A-BUS also activates automatically when the main sound system is switched on (including source components). A 12-volt 100-300 mAmp power pack should be plugged between the main amplifier's switched power outlet and the hub's Status input.
- 3 **POWER:** Power supply for system power. Should not to be connected to the main amplifier's switched output.

To complete your Forté A-BUS installation also refer to the manual of the volume control module and/or the A-BUS/DIRECT speaker.

- 4 **IR EMITTERS:** To relay infrared control signals to source components. IRR-110 single or IRR-120 dual emitters may be used. The emitter head should be placed directly over the components infrared receiver. (A torch may be required to find its exact location.)
- 5 **A-BUS OUTPUTS:** Cat5 patch leads are used to connect the Forté A-BUS outputs to the Forté A-BUS termination plate.
- 7 **EXPANSION:** Ports to add additional zones
  - OUT: Connects to additional hubs to add more zones or rooms. (Each hub requires it own power supply)
  - IN: Connects to the direct input of an A-BUS/READY amplifier, connects to an A-BUS input selector (ABS-40)

#### Input Devices

##### Interface Devices



ABK-50



ABK-50EU

##### Local Input Modules



AB-70

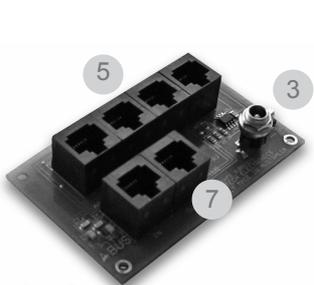


AB-70EU

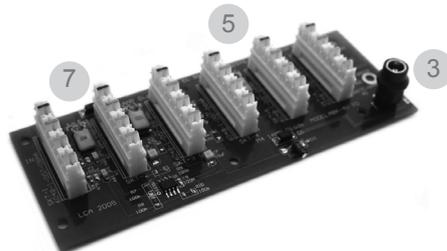
#### Distribution Hubs

The distribution hub is located in a structured wiring panel while the interface device (for a central source) or local input module (for a local source) is located in the room at the source.

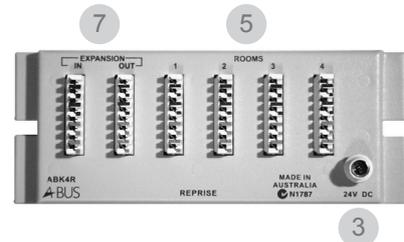
Wiring heirarchy is from the source to the input device, to the hub, then to the volume control module or A-BUS/DIRECT Speaker.



ABK-4RJ



ABK-4/110

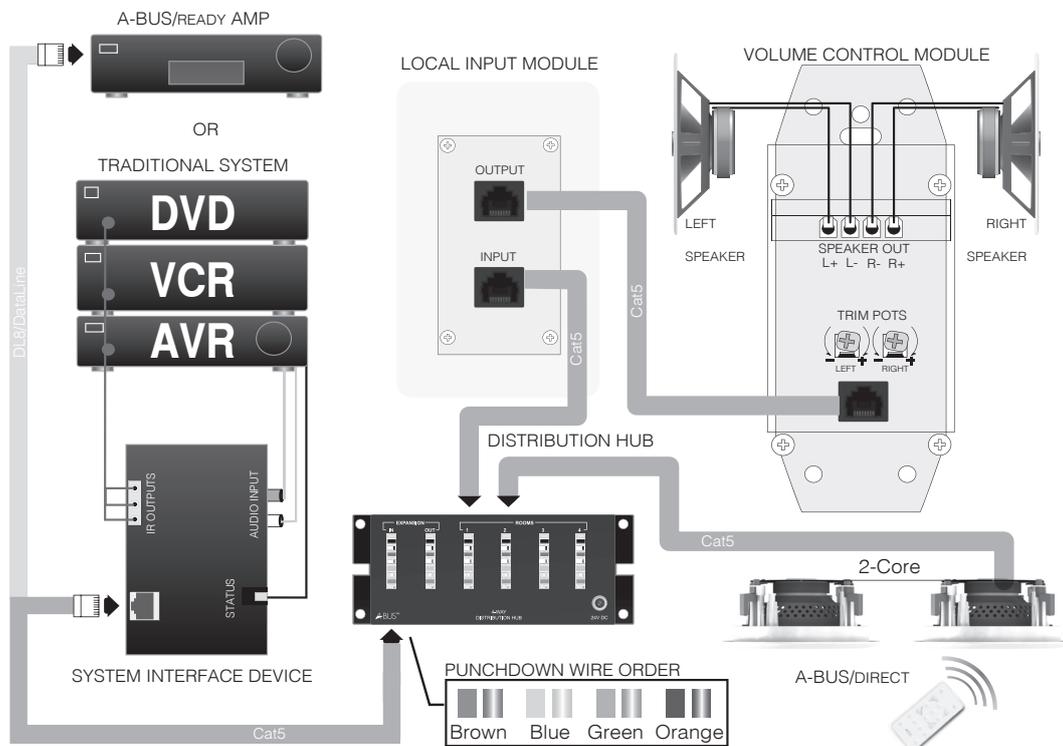


ABK-4PD

## Fault Finding

- Check all connections carefully.
- Make sure all speakers are wired in phase.
- Disconnect room units from hub and check operation one by one.
- Check for Status (red LED indicator on AB-39)
- A short in the speaker line will cause the output to shutdown until fixed.
- Some second zone A-BUS/READY outputs have their own power command.

**IMPORTANT NOTE:** These instructions contain directions to installers of Forté A-BUS systems. LeisureTech or its agents shall not be liable to any person or entity for loss or damage, including consequential loss or damage, arising out of any error or fault in the installation of the Forté A-BUS system or any of its component parts.



## Features and Specifications

### AB-70 Local Input Module

Inputs	Audio - RCA Phono Sockets (1pr) From hub - RJ45 T568A
Output	To room unit - RJ45 T568A
Size	44 x 107 x 25 mm (WHD)

### AB-70EU Local Input Module

Inputs	Audio - RCA Phono Sockets (1pr) From hub - RJ45 T568A
Output	To room unit - RJ45 T568A
Size with faceplate	86 x 86 x 36mm (WHD)

### ABK-50 Interface Module

Inputs	Audio - Phono Sockets (1pr) Status - 2.1mm DC (pos. centre)
Outputs	Infrared - 3 x 3.5mm TRS jacks To hub - RJ-45
Size	71 x 32 x 100mm (WHD)

### ABK-50EU Interface Module

Inputs	Audio - Phono Sockets (1pr)
Outputs	Infrared - 2 x 3.5mm TRS jacks To hub - RJ-45
Size with faceplate	86 x 86 x 36mm (WHD)

### ABK-4/110 Hub

Inputs	From Interface Module - 110 PD Power - 2.5mm DC (pos. centre)
Outputs	To rooms (zones) - 110 PD Expansion port - 110 PD
Size (PCB)	137.3 x 58.5 x 11.2mm (WHD)

### ABK-4RJ HUB

Inputs	From Interface Module - RJ-45 Power - 2.5mm DC (+ centre)
Outputs	To rooms (zones) - RJ-45 Expansion port - RJ-45
RJ-45	Wiring format - 568A
Size	44 x 107 x 25mm (WHD)

### APS-40 Power Supply

Inputs	108 - 264 Volt AC 115w
Output	4 Amp
Size	70 x 151 x 36mm (WHD)

### Cable

Cat5	From interface or input device to hub to amplified room unit either volume control module or amplified speaker
14 awg speaker	From amplified device to speaker(s)

## 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)