



# Custom Hubs

AB-61 / AB-62 / AB-663 / ABK4PD

Single-source Hubs

Installation Guide / Warranty Information

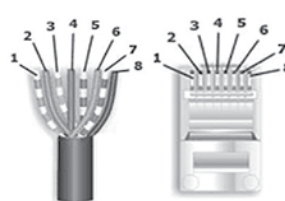
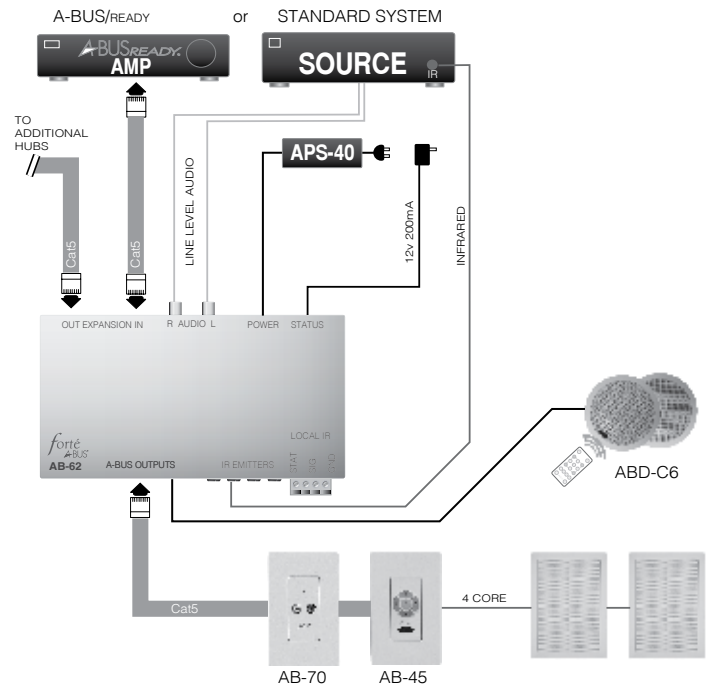
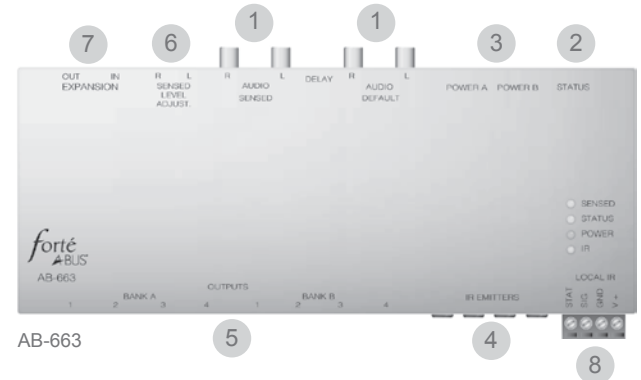
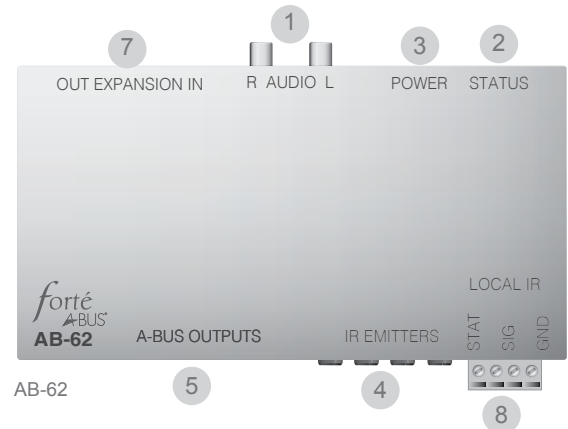
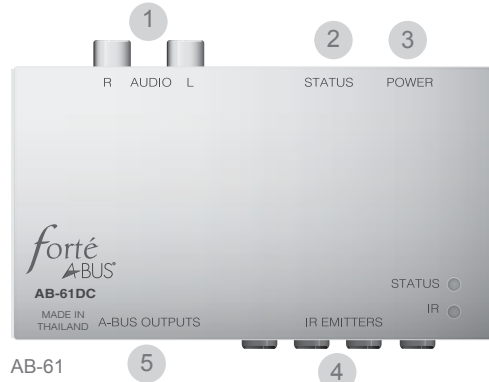


## Features

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

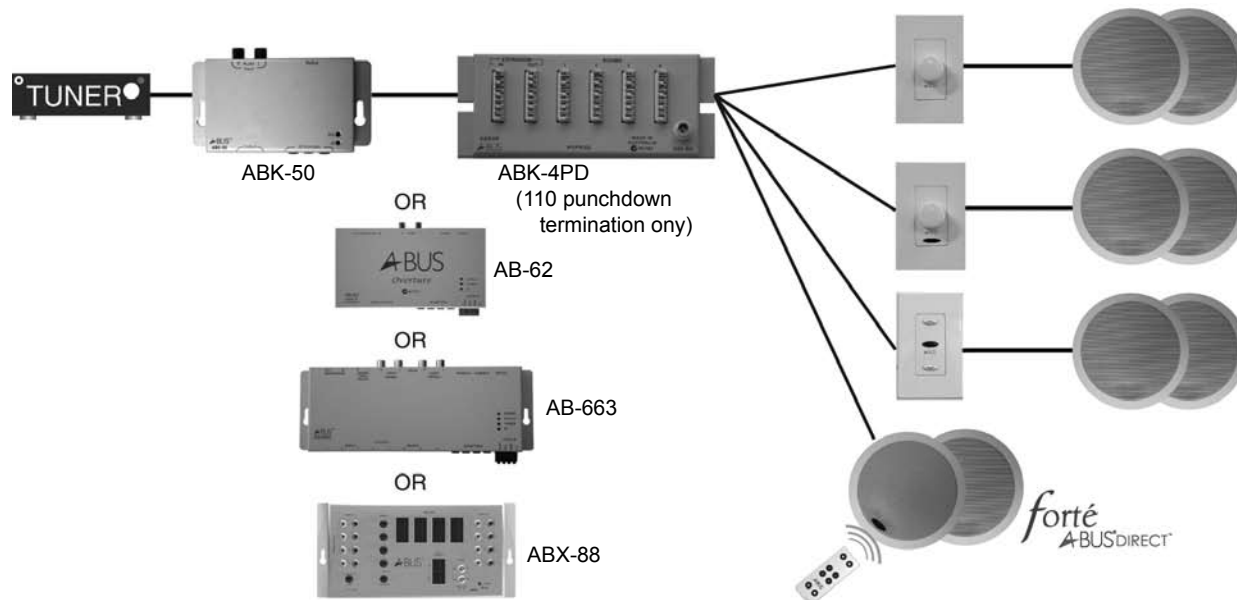
- 1 **AUDIO:** Audio input from the main amplifier's tape output or second zone output.
- 2 **STATUS:** There are several ways to activate an A-BUS system. When not in operation the A-BUS system is in mute mode. It is activated by;
  - Automatic Signal Sensing (Default): The Hub automatically detects when audio signal is present and activates the A-BUS system. 30-seconds after the audio signal ends the system returns to mute. Note: AB-61 does not have auto sensing.
  - 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. *Note:* A second power supply is required for the AB-663 bank B (expansion for extra 4 rooms)
- 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.
- 5 **A-BUS OUTPUTS:** Cat5 patch leads are used to connect the Forté A-BUS room units.
- 6 **SENSED INPUT ADJUSTMENT:** Line level input adjustment of +2, -10db on the sensed input. (AB-663 hub only).
- 7 **EXPANSION:** Ports to add additional zones
  - OUT: Connects to additional hubs to add more zones or rooms.
  - IN: Connects to the direct input of an A-BUS/READY amplifier, an A-BUS input selector (ABS-40), and input expansion
- 8 **LOCAL IR:** A Forté IR receiver may be connected to this socket for control of the source components from a room that does not have a Forté A-BUS IR module.

**Note:** The hub can be directly connected to an A-BUS/READY amplifier via the Expansion Input port. The A-BUS system automatically powers up when an A-BUS/READY amplifier is switched on. This may be done via remote control from any room. The hub power supply is still required.



A-BUS Socket		
Pin	Signal	Function
8	24v	24v +ve
7	GND	Ground
6	RCH	Right Channel
5	STAT	Status
4	SIG	Signal IR
3	GND	Ground
2	LCH	Left Channel
1	GND	Ground

## Hub Expansion Diagram



## Specifications

### AB-61

#### Description

A-BUS hub to drive 1 or 2 A-BUS room units with status override and IR emitter outputs. Supplied with a system power supply but not with a status power supply.

#### System Specifications

**Power Unit** APS-40, 24-volt 4-amp DC plug pack power supply included. 12v 200 mAmp DC plug pack (optional)\*

#### System Activation

Status Override when connected to A-BUS/READY output trigger via 12VDC input.

#### Dimensions (WHD)

Case size:  
134 x 78 x 27.5 mm

#### A-BUS Termination Plate:

All Cat5 cables should be terminated at the main distribution point using wall plate(s) fitted with the corresponding number of RJ-45 sockets connected as per the T568A standard.

### AB-62

#### Description

Expansion In & Out

Expandable, multiple AB-62 can be used if more than four room units are required

Expansion IN can also be used with a ABS-40 to give four input source select

Can be used to expand the A-BUS outputs of the ABX-88, ABX-84, up to four.

**System Activation:** Default Automatic music sensing. Goes back to mute 30 seconds after music cease. Status Override when connected to A-BUS/READY output trigger via 12VDC input.

#### Features

Drives from 1 to 4 A-BUS amplified devices (volume control modules or A-BUS/DIRECT speakers)

Four IR emitter outputs (3.5mm jack)

A-BUS outputs (4 x RJ-45)

Audio input 2 x RCA phone sockets

Status override socket (2.1mm DC)

Local IR input, compatible with standard Forté IR receivers

#### System Requirements

**Power Units** APS-40, 24-volt 4-amp switched mode power supply included. 12v 200 mAmp DC plug pack (optional)

**Status** Auto Status detection / Override option

**Dimensions** Case size:  
184 x 83 x 30mm (WHD)

### AB-663

#### Description

Expansion In & Out

Expandable, multiple AB-663's can be used if more than eight amplified devices are required

Expansion IN can also be used with a ABS-40 to give four input source select.

Can be used to expand the zone outputs of the ABX-88, ABX-84, up to four.

**System Activation:** Default Automatic music sensing. Goes back to mute 30 seconds after music cease. Status Override when connected to A-BUS/READY output trigger via 12VDC input.

#### Features

Drives from 1 to 8 A-BUS room units (volume control modules or A-BUS/DIRECT speakers)

Four IR emitter outputs (3.5mm jack)

A-BUS outputs (8 x RJ-45)

Audio input 2 x RCA phone sockets

Status override socket (2.1mm DC)

Local IR input, compatible with standard Forté IR receivers

#### System Requirements

**Power Units** APS-40, 2 x 24-volt 4-amp regulated power supply included. 12v 200 mAmp DC plug pack (optional)

**Status** Auto Status detection / Override option

**Dimensions** Case size:  
240 x 105 x 30mm (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)