About Forté A-BUS

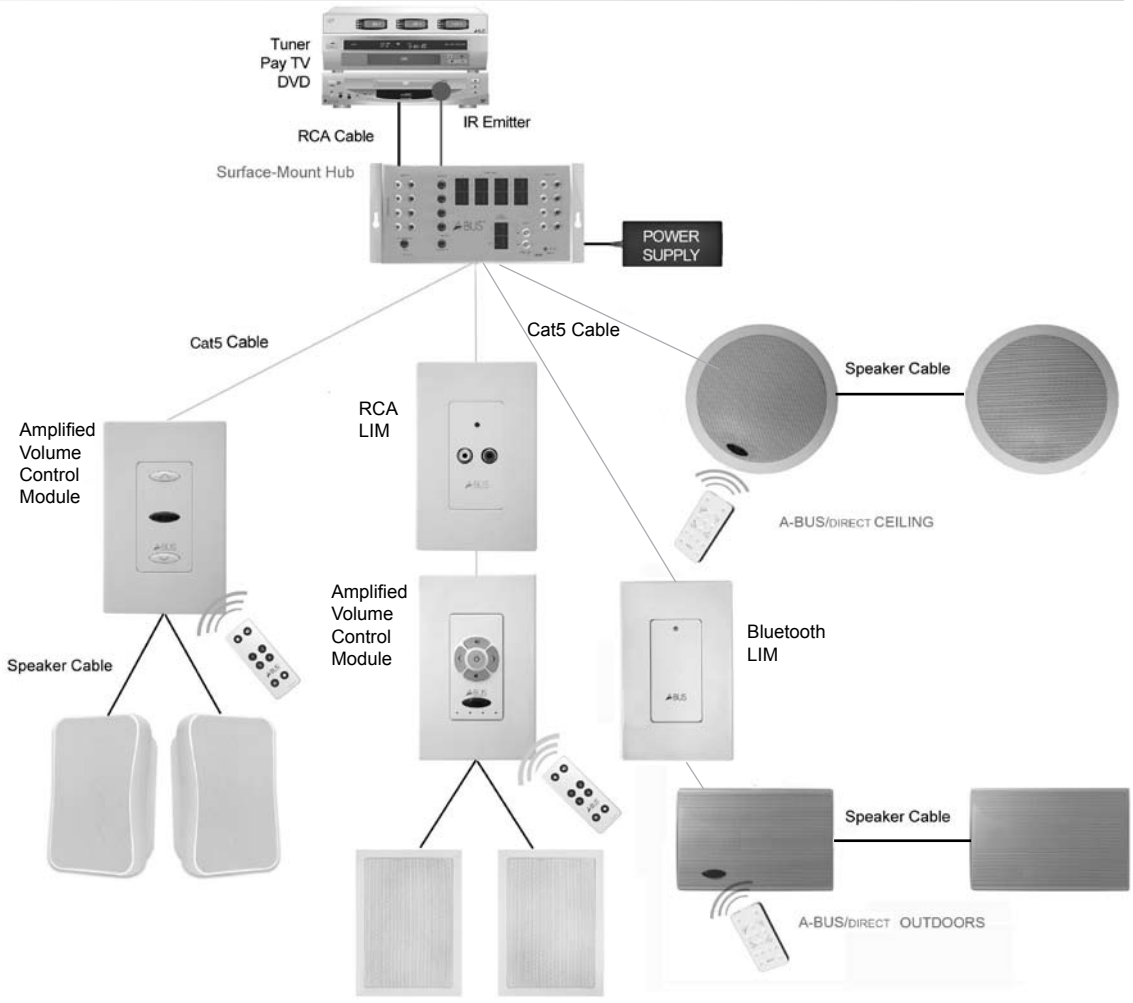
A Product Installation Overview

Welcome to Forté A-BUS Multi-Room Audio

Sound quality was the driving force behind the development of Forté A-BUS, whilst A-BUS technology makes the creation of multi-room audio very simple and easy. The plug and play approach provides a lot of flexibility in system design and the easy Cat5 connecters make installations reliable and simple. However, A-BUS was not developed for this reason. Most multi-room audio systems utilise long runs of speaker cable and in most cases the cheapest available; this can seriously affect sound quality. Forté A-BUS delivers a high quality audio signal to each room. It is our belief, the better the quality of the system the more it is used. We wish you many hours of enjoyment.

A-BUS COMPATIBILITY: All products bearing the A-BUS logo are made to the A-BUS Standard. The A-BUS format has been adopted by other manufacturers who make variety of products that can give your system added flexibility.

Forté A-BUS System Overview



Hub
Forté Hub is the core of the system. Custom hubs are generally located at the main AV equipment and Structured Wiring hubs are located in a structured wiring panel. It is the input point for audio signal/s and power source which are distributed to the room units known as Volume Control Modules (VCM) and/or A-BUS/*DIRECT* (ABD) speakers via a single Cat5 cable. It also relays infrared (IR) control commands from IR equipped room units to control Multi-source hubs and/or source components.

Single Source Hubs (SS): The stereo audio signal is sourced from the main amplifier's tape output, second zone output or from an A-BUS Input Selector.

Multi-Source Hubs (MS): The audio sources are fed directly to the hub. MS hubs have audio expansion outputs to connect to additional hubs or to loop to the main system amplifier. Only one power supply is supplied with MS hubs (if rooms are connected to the 'B' outputs a second power supply is required).

Expansion Ports
Most hubs have expansion ports to tailor a system to individual requirements. It is recommended for best results that a maximum of four hubs be connected to a system. Each hub is supplied with its own power supply. Single source hubs with expansion inputs can be connected to A-BUS outputs on multi-source hubs to expand the number of zones. This is convenient in situations where there is open plan living in some areas.

Power/Status: There are several ways to activate an A-BUS system. When not in operation the A-BUS system is in mute mode and 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 (Optional): A-BUS also activates automatically when the main sound system is switched on. 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.

Infrared (IR): IR equipped room units relay infrared control commands to A-BUS hub's emitter ports and then to the source components via an emitter connected to the IR sensor on the source component. When the system is in mute mode the infrared remains active and will activate the system. It transmits both 38 and 56kHz IR codes.

Local Input Module (LIM)
A local input can be included in any room to play, for example; personal music selections via Bluetooth or connected to the audio output of a TV for quality sound. The LIM is connected in the Cat5 between the hub and the room unit. In the case of the Bluetooth LIM it should be mounted within 15M of the reception area it will automatically switch when paired. For TV's the RCA LIM should be located next to or behind the screen and connected to the audio line output of the TV. When activated the LIM will sense the audio signal and switch to the TV; 30 seconds after the TV is switched off, the LIM will return the room to the main system source.

Room Units
The secret to the high quality sound of Forté A-BUS is the line level audio signal transmitted from the main system to each room via Cat5 cable

System Overview (cont'd)

replacing the losses that occur from long runs of speaker cable.

Volume Control Modules (wall mounted) incorporates an individual amplifier for each speaker. VCM's with IR, also send control commands to source components and in most cases volume level can also be controlled from anywhere in the room by remote. Cat5 cable is run from the hub to the modules and speaker cable to your speakers.

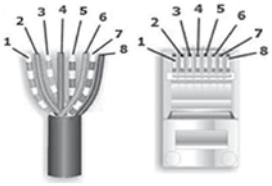
A-BUS/*DIRECT* (ABD) the amplifier is mounted directly on the speakers. The Cat5 cable is fed directly to the speakers eliminating the need for wall cavities and speaker cables. The system is controlled by an high power remote control handset that can be mounted on a wall cradle and is easily attached to any wall, or a magnetic surface such as a fridge. It includes A-BUS commands and can learn the commands of the source components.

Product Installation Notes

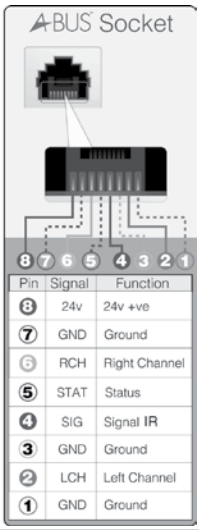
- All A-BUS RJ-45 connectors are wired to the 568A standard.
- Standard Cat5 (568A) patch leads may be used.
- The infrared system will relay 38KHz and 56KHz commands.
- IMPORTANT: Substitute power supplies are not recommended.

Pre-Wiring: All cabling between the interface module, A-BUS hubs, volume control modules and A-BUS/*DIRECT* active speaker should be Cat5 cable or better. The recommended maximum cable run is 100' (30M). Speaker wire should be run from the volume control module location to the speaker points; however, it is recommended that the Cat5 be extended to the speaker points as well to allow for the installation of an A-BUS/*DIRECT* speaker system which has the amplification incorporated in the speaker. Forté A-BUS will accept up to 14 gauge speaker cable.

Before installing the Cat5 cables, check for local input (AB-70) requirements, ie. in the case of a local TV, the Cat5 cable should be run past the room's antenna connection point. The same could be applied to a point in a child's room next to a desk where a computer or MP3 player may be located.



IMPORTANT: All instructions contain directions for installers of Forté A-BUS systems. The manufacturer 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.



	Pin	Signal	Function
Brown	8	24v	24v +ve
Brown & White	7	GND	Ground
Orange	6	RCH	Right Channel
Blue & White	5	STAT	Status
Blue	4	SIG	Signal **IR**
Orange & White	3	GND	Ground
Green	2	LCH	Left Channel
Green & White	1	GND	Ground

Forté A-BUS Components

Custom Hubs;

AB-61	Single-source 2 room
AB-62	Single-source 4 room, expandable
ABK-4RJB	Single-source, 4 room, expandable
ABX-88	4 source 4 zone, 4 sub-zone, expandable

Structured Wiring Hubs;

ABK-4PD	Single-source 4 room, 110 punchdown, metal case
ABK-4RJ	Single-source 4 room RJ45, PCB only
ABK-4/110	Single-source 4 room 110 punchdown, PCB only
ABX-84	4-source 4 zone RJ45, PCB or metal case

Room Units (amplified devices);

AB-20	Rotary volume control module
AB-39	Rotary volume control module with IR
AB-43	Touch button volume control module with IR
AB-45	Multi-source touch button keypad with IR

A-BUS/*DIRECT CEILING*

ABD-C6	6.5" Active speaker with IR grille + passive speaker. High powered remote supplied

A-BUS/*DIRECT WALL*

ABD-W5	5.25" Active outdoor speaker with IR grille + passive outdoor speaker. High powered remote supplied

Speakers;

ABP-C6	6.5" A-BUS compatible speakers
ABP-W5	5.25" A-BUS compatible speakers

Local Input Module (LIM);

AB-70	RCA LIM
AB-BT20	Bluetooth LIM
AB-70EU	RCA LIM, EU version
ABK-50	Single input interface for ABK-4PD, metal case
ABK-50EU	Single input interface, in wall EU version
ABX-75	Source input to be used with ABX-84 hub only

Remotes;

AB-40RC	Forté A-BUS credit card remote
ABR-43	Forté A-BUS learning remote keypad with cradle

Accessories;

APS-25	power supply
IRE-110	Single IR emitter
IRE-120	Dual IR emitter

Warranty

Please contact your place of purchase for warranty information.