How to Install Forté A-BUS   ABUS/Direct Speaker

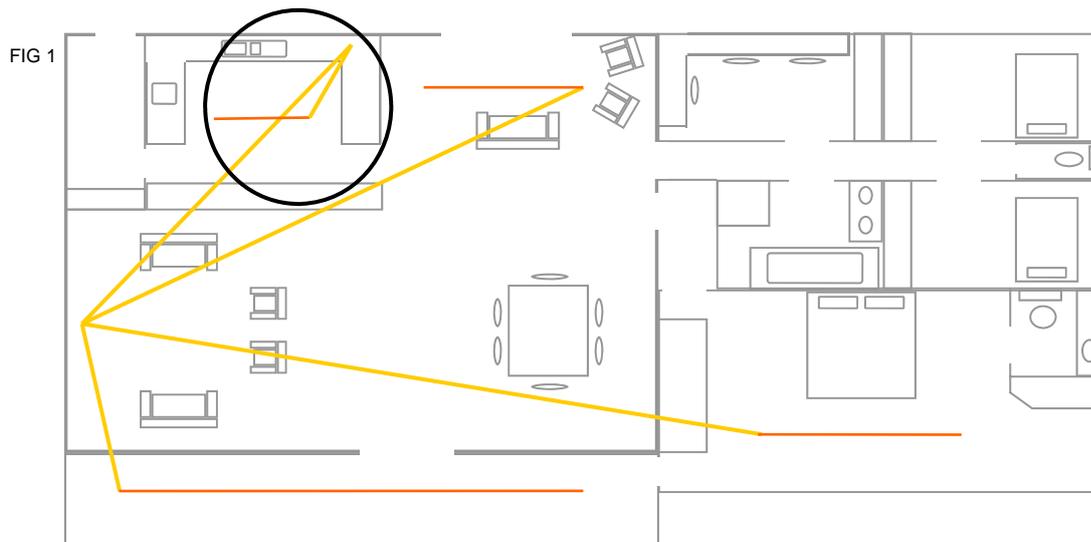**Amplified IR Speaker**

Installation can be done in 8 Easy steps

LeisureTech recommends installation by an A-BUS qualified installer. For installers in your area visit <u>LOCATOR</u> to find the closest one in your area.

For worry free installation use A-BUS approved Cat5e cable, Stranded *DL-8*

Step 1   **Design placement**

    a   Workout best placement of speakers take into consideration the following:
    1   roofing beams
    2   depth of roof cavity, check with speaker being installed.
    Suggested minimum 80mm depth for Forte speakers
    3   avoid any major power cables

    b   Placement of LIM (AB-70) or iPod dock (AB-313) consider the following:
    1   Place LIM behind TV or desk/bench near local sound source
    2   iPod dock located with ease of access
    NOTE: Up to 3 LIM's or iPod docks can be added in each room

FIG 1

Step 2   **Install Cable**

    a   Pre-wire DL-8 (CAT5e) in a star pattern from audio distribution point *(fig 1)*
    b   Label each cable with destination name *(fig 2)*
    c   Run speaker cable from slave speaker to amplified IR speaker
    d   Take into consideration LIM's or iPod docks in each room, CAT5e runs from hub to the LIM / iPod dock then on to amplified IR speaker *(see circled area fig1)*
    e   Terminated both ends with RJ-45 connection in T568A configuration *(fig 3)*
    f   Test cable, connections and terminations with RJ-45 LAN tester

FIG 2

FIG 3

Step 3   **Mount Hub**

    a   Locate hub with audio equipment
    b   Connect RJ-45 terminated cable to hub *(fig 4)*

FIG 4

Step 4   **Connecting LIM / iPod modules**

a   Cut hole to a standard single-gang wall plate size (75mm H x 45mm W)
        NOTE: Depth varies from LIM to iPod dock
b   Pull cable through
c   Connect RJ-45 terminated cable to module
d   Screw on to wall
e   Connect RCA cable to LIM from sound source, make sure source is not on
f   Dock the iPod by pulling out lip, make sure it is not playing *(fig5)*

Step 5   **A-BUS/Direct Speakers**

FIG 6

a   Cut hole to speaker cut out dimensions (Forte 6.5" = 206mm dia x 79mm depth)
b   Pull cable through
c   Connect RJ-45 terminated cable to Amplified IR speaker (fig 6)
d   Connect speaker wire between the two to the clip terminals (fig 6)
e   Do not screw into ceiling yet

Step 6   **Connect Audio**

FIG 7

a   Using RCA-RCA cables connect audio source/s to hub
b   Connect IR emitters to hub and place on audio source IR window
c   Connect power supply
d   For AB-663/ABX-88 connect Power supply to corresponding input
        Bank "A" in yellow, Sub Zone = Bank "B" in Blue (fig 7)
e   A second power supply plugs into 2nd power socket (Bank "B") when subzones are
        used

Step 7   **Power up**

a   Turn on power to power supply (red power indicator LED should come on)
b   Turn on audio source, make sure there is sound and not on mute and press play
c   Turn volume up on Amplified speakers in each room, confirm music is playing.
d   Go to LIM / iPod dock and press play, turn on or un-mute. Music in that room should
        change to local sound source
e   Turn off, mute or pause sound source in to Lim or iPod Dock; after 30sec, main
        sound source will return

Step 9   **Final set up**

FIG 8

a   Turn volume up to maximum required level then adjust the trimpots on back
        of Amplified IR speaker. This sets max volume level *(fig8)*
b   Screw AVC into wall
c   Test IR from each room, by pointing remote at Active IR speaker and change
        track, channel etc
d   When using single IR speaker select mono on back of speaker (fig 9)
e   For programming the on-wall learning remote see ABR-43 (fig 10)
        instructions supplied

FIG 9

FIG 10

For more detailed installation information including expansion, see appropriate Hub Manual