

DMX MUSIC

AUDIO DISTRIBUTION SYSTEM INSTALLATION MANUAL

DMX MUSIC AUDIO DISTRIBUTION SYSTEM



Components illustrated above include:

1. Audio Distribution Primary Station (Base Unit)
2. Customer Control Unit (hand held), also available wall mounted
3. Power Supply

DMX MUSIC AUDIO DISTRIBUTION SYSTEM INSTALLATION INSTRUCTIONS

The Audio Distribution System (ADS) is custom designed equipment which provides business owners up to 8 various styles of music to different chairs or rooms within a single office and allows the listener to choose the music styles and control the volume. One of eight styles is selectable by a push to the “channel” switch on the Customer Control.

1. Connect audio source(s) to input channels 1-8 of the ADS Primary Distribution Station - e.g. two 4-zone ProFusion X DMMs with one zone output per input.
2. If there are fewer than 8 separate source styles, use Y cables to parallel inputs – e.g. one 4-zone ProFusion X unit with each zone output supplying two inputs each on the ADS Primary Distribution Station. This will eliminate mute style steps (and possible confusion for users).
3. Desired quantity of audio outputs (1- 10) are to be connected to user interfaces (either hand-controls or wall-plate controls – for speaker or headphone use). Shield = ground. Red = Audio+. Black = channel select.
4. Cable for output runs shall be 18AWG, 2-conductor with shield. It is recommended that runs be less than 500' to reduce audio loss.
5. Power is provided via a 12VDC power supply (included with ADS Primary Base Station). A red LED on the supply will light when the Base Station is properly powered up.
6. Adjustment and setup:
 - A. The audio source(s) should be adjusted to provide approximately 1.0Vpp (350 mVrms) to the Primary Base Station inputs.
 - B. After all inputs have been connected and levels set, one user interface control should be connected to any of the outputs for further adjustments. Set the volume to minimum (full CCW) and slowly adjust to the maximum. Cycle through all 8 channels, adjusting the blue trim pots associated with each to provide a loud but safe listening level.
 - C. After adjusting each of the 8 channels, check all 10 outputs to verify that they all have similar levels.

DMX MUSIC AUDIO DISTRIBUTION SYSTEM SPECIFICATIONS

AUDIO DISTRIBUTION PRIMARY STATION

Input Connector	Phono Connector
Input Level	-10 dbm minimum, 0 dbm typical
Input Impedance	1.0 K unbalanced
Output Connector	Screw terminals 3.5mm spacing. #16AWG max wire size. Three output terminals are connected by cable to the Customer Audio Control.
Frequency Response	30 Hz to 8.0 KHz @ + 3.0 db, Input 0.0 dbm, Output 100 mw @ 16 ohms
Total Harmonic Distortion 16 ohms	0.5% typical, Input 0.0 dbm, Output 100 mw @
Crosstalk Between Channels	- 57 db typical
DC Power Connector	DC Power jack. Distribution Stations to be used with supplied power unit only.
Remote A & B Connector	Nine pin sub D connector not used in present configuration for optional future system expansion.
Dimensions	8" x 11 3/4" x 1" (LxWxH)
Weight	2.5 lbs.

CUSTOMER CONTROL

Input Connector	Modular Jack, 616 M type. Compatible with standard handset coiled cords.
Output Jack	3.5mm stereo phone jack. Note: Output to 32 ohm stereo headphone.
Style Control	Momentary push button switch for one of eight style selections.
Volume Control	Rotary volume control for adjusting level out. Minimum output - full counter clockwise.
Dimensions	4.5" x 1.75" x 1.5 " (LxWxH)
Weight	3 oz.

POWER SUPPLY

Input Voltage Range	90 VAC to 132 VAC
Output Voltage	+ 12 VDC regulated. UL 1950 listed Note: Use the supplied power supply only. For dry indoor use only.
Dimensions	3 2/5" x 2 1/4" x 1 3/4" (LxWxH)
Weight	8 oz.







