Flight Data Systems

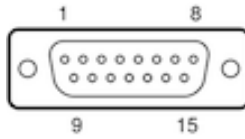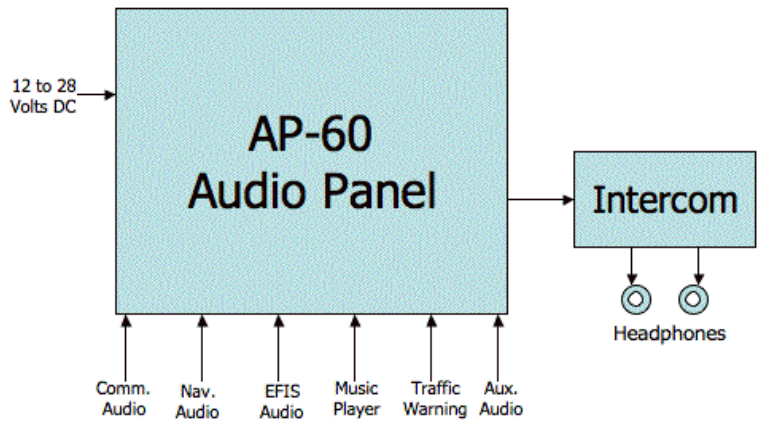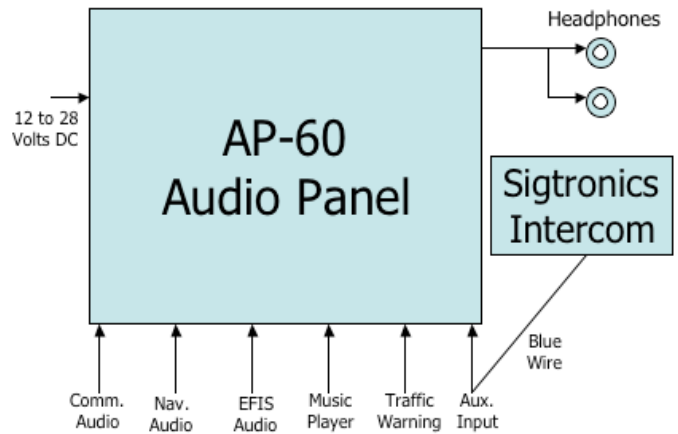# AP-60 Installation Manual

The AP-60 is not approved for installation in certified aircraft.

Power:

We suggest powering the AP-60 from your avionics bus. It should be on a circuit protected by a fuse or circuit breaker. The AP-60 power circuit may be shared by other devices such as an intercom. The fuse/circuit breaker may be as small as 1 Amp.

Audio Inputs:

All AP-60 inputs are identical, thus, any device may be wired to any input. Below is a diagram detailing one possible configuration of the AP-60. Optionally switches can be installed on the input lines to enable turning off and on specific devices. Suggested switch suppliers and part numbers are listed below.

Wiring:

Audio signals both to and from the AP-60 should be carried on shielded cables. This prevents interference from leaking into your audio system. The shield of each input and output cable should be grounded on **one** end of the cable, either at the AP-60 or at the audio device.

Pin 1 – Audio Output
Pins 2 – 7 Audio Inputs
Pin 8 Power In 12-28 Volts
Pins 9 – 15 Grounds for Power or Shields

Audio Output:

The output of the AP-60 should be connected to the Intercom's communications radio input**. If the intercom has an input for a music device (Ipod, etc…), we suggest connecting that device to the directly to the intercom rather than the AP-60. This will allow the intercom to use any built in muting feature for the music and will keep the music in stereo if applicable.

**Note: Sigtronics Monoral intercoms do not have a comm. radio input. See the "Sigtronics Monoral Intercom" diagram below as a guide.

An intercom is not required for the AP-60 to operate. It may be connected directly to single or multiple headphone jacks if desired.

Intercom with Communications Radio Input
(Includes Sigtronics Stereo Intercoms)

Sigtronics Monoral Intercom Only

Specifications

Input Voltage: 12 to 28 Volts DC
Width 2.53", Length 3.42", Height .55", Weight 2.1 oz.

Need Help?
support@fdatasystems.com
or call (831) 325-3131

Suggested Sources for Switches

Digkey: digikey.com
CKN1004-ND

Mouser Electronics: mouser.com
108-1MS1T1B1M2QE-EVX