PADS-USB-HUB

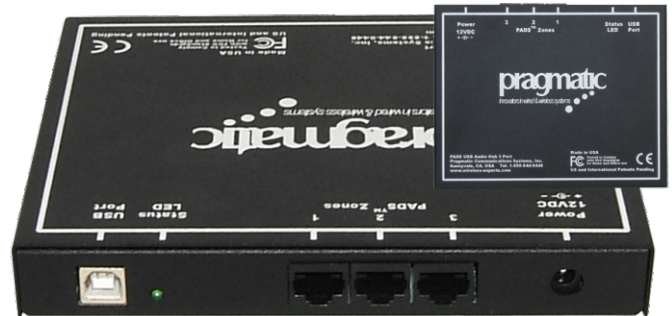Pragmatic Audio Distribution System USB Audio HUB 3 Port

Pragmatic Audio Distribution USB HUB

The PADS-USB-HUB is a standalone device that attaches to the USB port of any PC based Audio Server. It provides up to three channels of stereo audio along with a control communication channel for transport over CAT-5 cable to PADS Audio endpoints. The PADS-USB-HUB is independently powered and provides power to the audio endpoints.

The PC based Audio server sees the three audio channels as three separate USB audio-DACs native to the server. No special drivers are needed for these DACs under Windows 2000, XP and Vista. Any PC Audio Application e.g. Windows Media Player on the can open these DACs as native audio devices and send music to them.

The communication channel is used to communicate with the local microprocessor in the audio endpoints, for receiving user commands and status information from buttons on the audio endpoints and for sending music captioning information to the audio endpoints.

This communication channel is accessed by the PC Audio Server as a virtual COM Port on the USB Port, and no special drivers are needed for it under Windows 2000, XP and Vista. The server uses a very simple API to talk to the control communication channel via the USB Port.
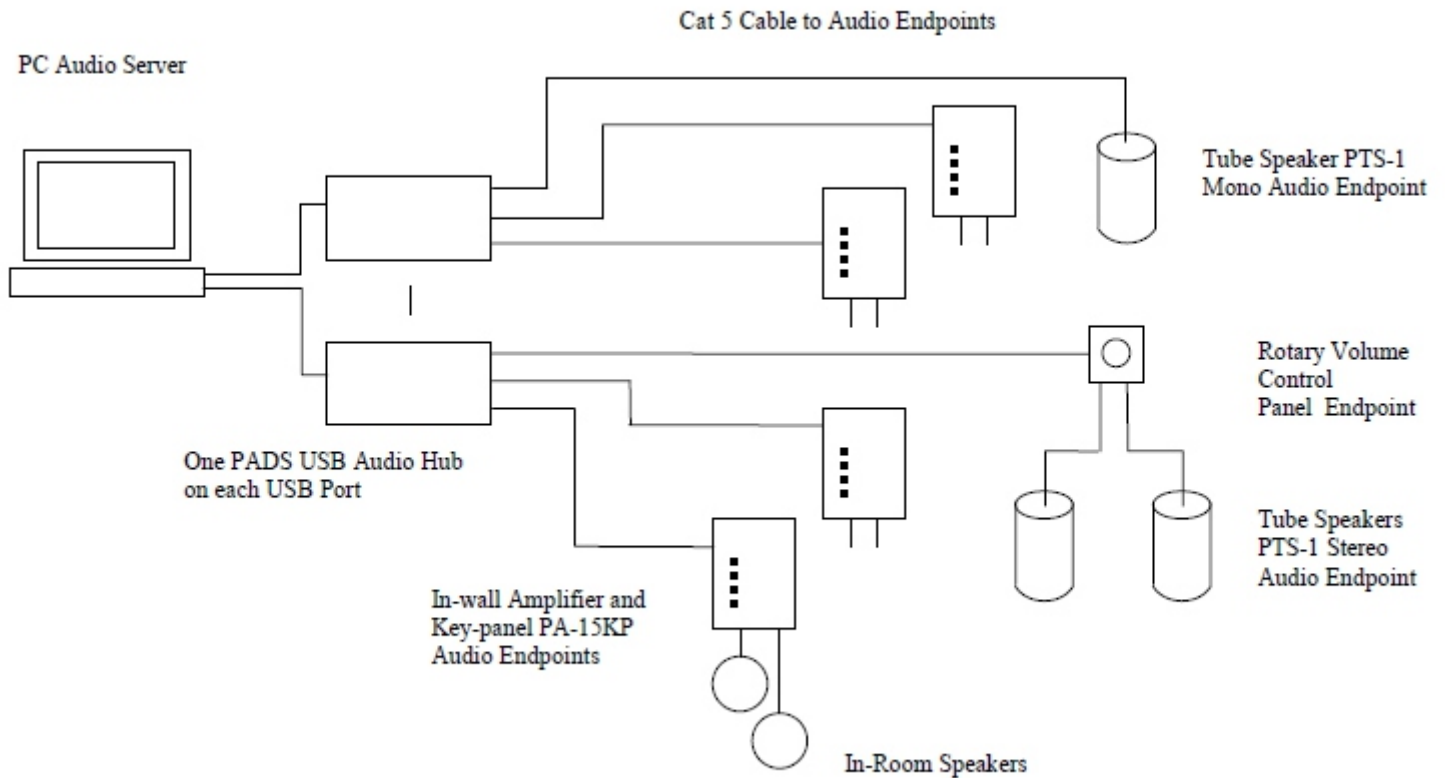

Feature & Benefits:

*   Three RJ45 connectors for CAT 5 cable connection to Audio Endpoint Zones
*   One USB port (device) for connection to the USB Host Port on PC Audio Server
*   On-board processor handles USB communications with the Host and control communication with the endpoints
*   Built-in four port USB Hub
*   USB is version 1.1 Compliant, Full Speed, 12Mbps
*   Each port provides 12-15VDC unregulated power to the Audio Endpoints
*   LED status indicator
*   Power: 12V-15V DC
*   Weight: 9.5 oz
*   Black powder coated aluminum chassis
*   Operating Environment: 0 to 50 deg C

*US and International patents pending

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Typical Application

Cat 5 Cable to Audio Endpoints

PC Audio Server

Tube Speaker PTS-1
Mono Audio Endpoint

Rotary Volume
Control
Panel Endpoint

One PADS USB Audio Hub
on each USB Port

Tube Speakers
PTS-1 Stereo
Audio Endpoint

In-wall Amplifier and
Key-panel PA-15KP
Audio Endpoints

In-Room Speakers

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