

PDS-XT10018 Rev B

AUDPNL AUDIO CONTROL PANEL

The Tactical Communications model AUDPNL Audio Control Panel allows operators to control monitoring and access to 12 intercom and talk group sessions. Audio panel controls are arranged to allow operator control without the necessity of viewing the panel while setting the controls.

The AUDPNL is integrated with the TCC client console GUI to provide individual channel volume/mute control, monitor/join intercom or talk group and FDX or PTT control.

The AUDPNL allows control via the operator workstation GUI or by the audio panel. Changes in the audio panel control settings are reflected on the operator workstation GUI. The AUDPNL intercom and talk group assignments are software configurable.

AUDPNL FEATURE LIST

- Control of 12 independent audio channels
- Each channel volume is individually adjustable via front panel controls
- Operators may set each channel for monitoring, mute, or talk
- Full duplex, "hot mic" or PTT transmit operating mode selection
- Receive and transmit LED indicators for each channel
- Internal power supply derived from USB port
- Software configurable channel assignments
- Fully integrated with TCC operator console GUI
- Simulcast broadcast capability
- Plug and play operation
- Console "drop in" or side attach mounting



AUDPNL AUDIO CONTROL PANEL

AUDPNL SPECIFICATIONS

SIGNAL	SPECIFICATION
USB	USB 2.0
Volume	Log taper volume control with channel on/off control
PTT	Selectable 3 position, full duplex, PTT or off (monitor only)
GENERAL	SPECIFICATION
Dimensions	L x W x H: 10.375" (263.53mm) x 3.656" (92.86mm) x 3.765" (95.63mm)
Weight	2.5 lb., 1.14 Kg.
Power	USB port power, 2.5W maximum

LOGIC TABLES

RX LIGHT WHITE		TX LIGHT GREEN	
LED MODE	DESCRIPTION	LED MODE	DESCRIPTION
NO LIGHT	RX OFF, CHANNEL IS OFF	NO LIGHT	TX OFF
SOLID LIGHT	RX ENABLED, CHANNEL IS ON	SOLID LIGHT	TX ENABLED
BLINKING LIGHT	RX ACTIVITY, 3HZ, 50% DUTY CYCLE	BLINKING LIGHT	TX ON, 3HZ, 50% DUTY CYCLE

RX CONTROL POTENTIOMETER	
POSITION	FUNCTION
CW or CCW	VOLUME CONTROL
PUSH IN	OFF
PUSH OUT	ON

TX CONTROL ROCKER SWITCH	
POSITION	FUNCTION
UP	LATCH
MIDDLE	OFF
DOWN	MOMENTARY

ENVIRONMENTAL SPECIFICATIONS	
SPECIFICATION	PARAMETERS
Storage Temperature	-55°C to 85°C
Operating Temperature	-10°C to 70°C
Operating and non-operating (storage) humidity	0 to 95% non-condensing
Altitude	-100 to 40,000 Feet
MTBF	271,000 Hours

AUDPNL ORDERING INFORMATION	
Part Number	AUDPNL

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US patents 8,442,506 and 9,154,630