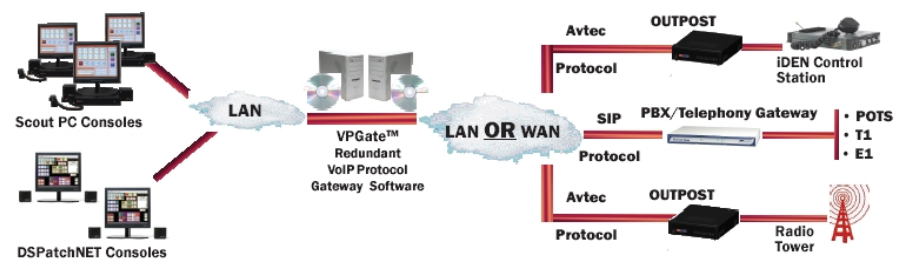**Front View**

Back View

Features

Supports P25 Analog Fixed Station Interface

DTMF Tone Call-in

RSSI Indicator

Auxiliary Input

Temperature Sensor

COR Input

Performs tone, relay, serial, or local radio control

Audio interface to either phones, radios, IDEN control stations, voter comparators or other analog audio devices

MDC1200 protocol support without external hardware (Model Numbers OUTPOST-2R and SFW-MDC-1)

Ethernet interface for connection to VPGate and Consoles

Paging Tone Encoder

Legacy Tone Remote Console Port

In-Cabinet Repeater

Connection to Audio Recording Device

DC remote control adapter optionally available (Model # OUTPOST-DC-2R)

Two serial ports that send and receive RS-232 data to external devices and can use radio driver to control a compatible radio

Outpost Radio Controller

Interfacing non-VoIP radios to an Ethernet network for audio transport and remote control, Outpost is a full-featured VoIP Base Station controller designed and manufactured by Avtec.

Avtec's design of Outpost incorporates over 20 years of base station controller experience gained in mission critical airline and railroad operations. This flexible endpoint is easily configured from Scout Manager or a web browser.

Outpost converts audio coming from the phone or radio to packet voice and sends it to the console. In reverse, it takes packet voice from the console, converts it to analog audio, and sends it to the phone or radio.
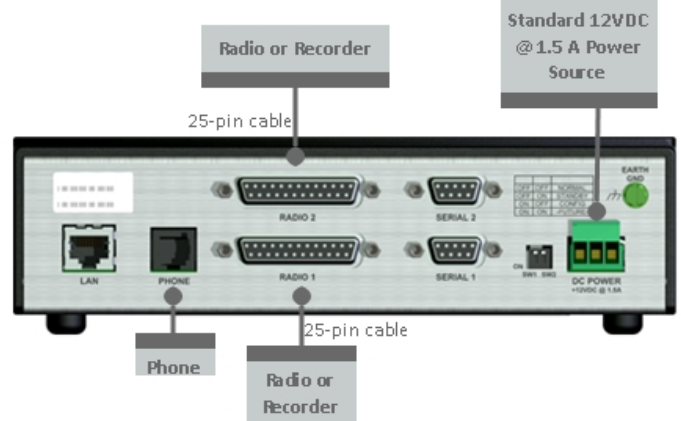
MDC1200 PROTOCOL SUPPORT

Outpost provides the capability to encode and decode MDC1200 protocol, without requiring external hardware. The MDC1200 feature set is one of two Outpost configuration options: Standard Radio and MDC1200 Radio. The MDC1200 features supported in a Scout system include the following:

- ANI
- Emergency Alert
- Man Down Alert
- Unit-to-Unit calls
- Radio Check
- Stun/Revive
- Call Alert

To enable MDC1200 features and access MDC1200 installation media, Scout users must purchase Outpost model numbers OUTPOST-2R and SFW-MDC-1. MDC1200 requires Scout 2.2 or later.

CONNECTIONS

SPECIFICATIONS

GENERAL

Length: 8.34 in (21.18 cm)	
Depth: 9.63 in (24.46 cm)	
Height: 2.49 in (6.32 cm)	
Weight: Approximately 2.27 lbs (1 kg)	
Power: 11 - 13.5 VDC @ 1.5 A	
Temperature: Normal operation: –30° to 60°C (ambient) Critical thresholds: –15° and 75°C (internal)	
Note: A VPGate alarm is sent to Scout Central Distributor when the Outpost records an internal temperature of 75°C. The alarm clears when the internal temperature goes down to 70°C.	
LAN Speed: 10/100 mbps	
BTU/hr: 41	

TECHNICAL SPECIFICATIONS

RADIO TWO WIRE AUDIO INPUT

Impedance: 600 ohm balanced	
Input Range: –30 dBm to +10 dBm	
Frequency Response: +/–1 dB 300 – 3400 Hz	
Type: Transformer-coupled with DC-blocking cap	
Fuse: 1 Amp	

RADIO FOUR WIRE AUDIO INPUT

Impedance: 600 / 10K ohm balanced	
WSInput Range: –30 dBm to +10 dBm	
Frequency Response: +/–1 dB 300 – 3400 Hz	
Type: Transformer-coupled	
Fuse: 1 Amp	

TWO AND FOUR WIRE AUDIO OUTPUT

Impedance: 600 ohm balanced	
Output Level: –20 dBm to +10 dBm	
Frequency Response: +/–1 dB 300 – 3400 Hz	
Distortion: 1% maximum unweighted	
Noise Floor: –55 dBm maximum	
Type: Transformer-coupled with DC-blocking cap	
Fuse: 1 Amp	

SINGLE-ENDED AUDIO OUTPUT

Impedance: 100 ohm unbalanced	
Output Level: –20 dBu to +10 dBu	
Frequency Response: +/–1 dB 300 – 3400 Hz	
Distortion: 2% maximum unweighted	
Noise Floor: –29 dBm maximum	
Type: DC-blocking cap	

PSTN PORT (RJ11C) AUDIO

Impedance: 600 ohm nominal

Maximum Input: +1 dBm (o dBm nominal)

Maximum Output: 0 dBm (not set for PSTN)

Maximum PSTN Output: 0 dBm for DTMF, -9 dBm for voice

Frequency Response: + / -2 dB 300 – 3400 Hz

Distortion: 1% maximum unweighted

Noise Floor: -50 dBm maximum

Type: DAA

Fuse: 1.25 Amps

COMPLIANCE AND CERTIFICATIONS

TELECOM AGENCY APPROVAL

FCC CFR 47 Part 68 Certification: US:HU3TE01BAV0005000

IC CS03 Certification: IC:1627A-AV0005000

TIA-968-A (including A1, A2, A3, A4, A5), TIA-1096
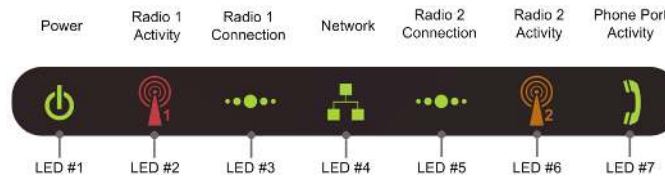
SAFETY AGENCY APPROVAL

IEC 60950-1:2005 (2nd Edition) and EN 60950-1:2006 including deviations to UL/CSA 60950-1 2nd Edition.

EMC EMISSIONS

FCC 47 CFR Part 15 Class A (USA)

ICES-003 Issue 4 Class A Digital Apparatus (Canada)

LED DESCRIPTIONS

LED #	INDICATION	COLOR	DESCRIPTION
1	Power / Run Indication (refer to the Updating and Flashing the Data Files section later in this guide for LED indications when flashing the data files)	Green	Outpost powered up
		Green Blinking	Outpost running
		Amber Blinking	Boot Code running
		Red Blinking	Error Codes
2	Radio 1 Activity	Red	Transmitting
		Yellow	Receiving audio
		Off	No activity
3	Radio Port 1 Connectivity	Green	Linked to VPGate
		Yellow	Not linked to VPGate
		Off	Not configured to be a Radio Interface
4	Network LAN Connection	Green	Linked to network
		Off	No link to network
5	Radio Port 2 Connectivity	Green	Linked to VPGate
		Yellow	Not linked to VPGate
		Off	Not configured to be a Radio Interface
6	Radio 2 Activity	Red	Transmitting
		Yellow	Receiving audio
		Off	No activity
7	Phone Port Activity (Dial Backup)	Yellow	Not Linked to VPGate
		Yellow Slow Blinking	Ringing
		Green	Connected
		Green Fast Blinking	PTT
		Off	Phone Port is not enabled
7	Phone Port Activity (IP Phone)	Yellow	Not Linked to VPGate
		Green	Connected to VPGate
		Green & Yellow Blinking	Dialing and Ringing
		Green Slow Blinking	Connected
		Green Fast Blinking	PTT
		Off	Phone Port is not enabled
7	Phone Port Activity (AUX I/O port)	Yellow	Not Linked to VPGate
		Yellow blinking at startup	Configured as AUX I/O port
		Green	Connected to VPGate
		Off	AUX I/O port is not enabled

MODEL NUMBERS

MODEL NUMBER	DESCRIPTION
OUTPOST-2R	Outpost VoIP Radio Controller with standard driver.
SFW-MDC-1	Field upgrade existing Outpost VoIP Radio Controller to MDC1200 enabled. Includes a seat license and a MDC1200 Software DVD.

ACCESSORY MODEL NUMBERS

MODEL NUMBER	DESCRIPTION
OUTPOST-AC-ADAPT	Power cable for Outpost.