

DTC Palladium™ Digital Repeater

COBHAM

Model - Pd2-PVRPT-x & Pd2-VRPT-UB-x

The most important thing we build is trust

Palladium Digital Repeater

The Palladium™ Repeater can receive and retransmit any valid Palladium™ COFDM signal. Video, audio and digital data are re-transmitted with the advantage of higher power and better antenna positioning. Encrypted transmissions are also re-transmitted intact. The re-transmission is on a different channel, either in the same band (in-band) or in another band (cross-band). The Palladium™ Repeater System is designed to not only extend the range of the transmission, but more importantly, to provide extended coverage in difficult environments such as inside of tunnels, subways and buildings. The repeater is

completely self-contained, with all components including the power source built into either a portable case or utility box. The portable case can be taken virtually anywhere. The utility box concealment can be either pole mounted or wall mounted where desired.

Connectors include a user-configuration serial (DB9) connector for programming both the transmitter and receiver. There is also an interface connector to the transmitter component that provides a high-speed transport stream.



Features:

- Automatically detect a valid Palladium™ Digital COFDM signal on the assigned RX channel and retransmit it on the assigned TX Channel including encrypted signals.
- Operate as an in-band or cross-band repeater in L1 Band (1150 – 1400 MHz), L-Band (1710 – 1850 MHz), S2 Band (2200 – 2300 MHz) and S Band (2350 – 2500 MHz).
- Can be configured with either a positive or negative frequency split.
- Output power 1 Watt
- Transmitter automatically remains ON for 30 seconds after loss of input signal

Specifications:

Dimensions	22"X16.5"X10"
Frequency Bands	L1 (1150 - 1400 MHz) L (1710 - 1850 MHz) S2 (2200 - 2300 MHz) S (2350 - 2500 MHz) C (4400-5000) •call for band availability
RF Output Power Level	1 Watt
DC Power Input RX Housing	2.5mm
AC Power Input	Terminal Block
Programming & Data	DB9 female.
PA input and output	SMA female
TX exciter output	SMA female
TX Antenna	SMA female
RX Antenna	TNC female
Video Monitor	BNC Female

For further information please contact:

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