

DAB+ REPEATER PDR-3



Complete DAB Repeater in A small compact size.

Paneda DAB repeater PDR-3 is a low-power selective DAB repeater with up to +3 dbm output. The selective amplifier handles two DAB frequencies simultaneously. The unit is built in a dustproof mechanics with solid passive cooling and is built for the highest possible MTBF.



PANEDA®



SPECIFICATIONS

Overview

The Paneda PDR-3 is a compact and lightweight on-channel DAB repeater. The unit is designed for use in indoor systems. To cope with high level input signal the unit contains a switchable input attenuator. Status information such as overtemperature, supply voltage failure, output level, PLL unlock is indicated by red, green and yellow LEDs, and are also available via USB interface and the included software tool.

RF SPECIFICATIONS	
Frequency Range	174-240MHz
RF Input normal range	-50db to -70dbm
Connector	SMA Female
Number of channels	2 DAB Ensembles
Number of RF inputs	1
Number of RF outputs	1
Max Gain	70db
Gain flatness in operating range	Typ 3db
Max Input power	-20db
Output power	+5dbm max (tone)
AGC Range	30dB
Gain Step	0.5dB
Switchable attenuator	20dB
Output 1dB compression	Min +15dBm
Output IP3	+26dBm min
Harmonics	< -60dBc typ.
Spurious	-60dBm typ to -50dBm max
Output return loss	< -10dB
Input return loss	< -10dB
Noise figures @ max gain	5dB typ
Selectivity	-3dB @ centre freq. +0.78MHz , -0.87MHz -40dB @ centre freq. + 1.72MHz, -1.82MHz

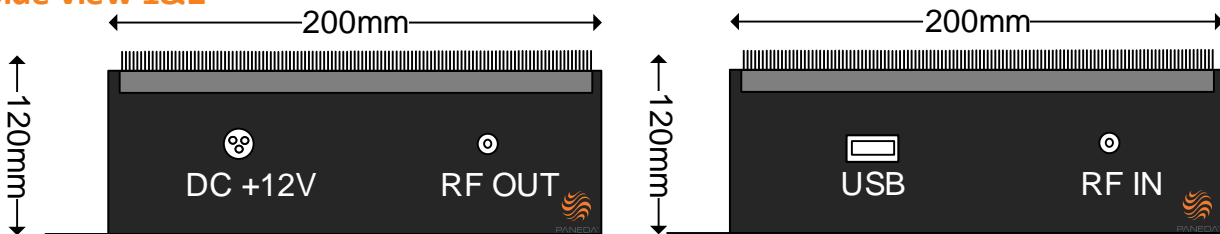
CONNECTORS	
RF Input	SMA Female
RF Output	SMA Female
Power	+12VDC (included)
Monitor/Mgmt	USB+Software (incl)

POWER SUPPLY	
DC Input	+12V 3pin connector
DC current	500mA

MECHANICAL	
Dimensions	250x150x80mm
Weight	3kg

OTHER	
Operating Temp Range	0°C to +50°C
Storage Temp	-30°C to +60°C

Side view 1&2



Top view

