

# PDR-30 DAB+ Repeater

Complete DAB repeater with up to +30dBm output power

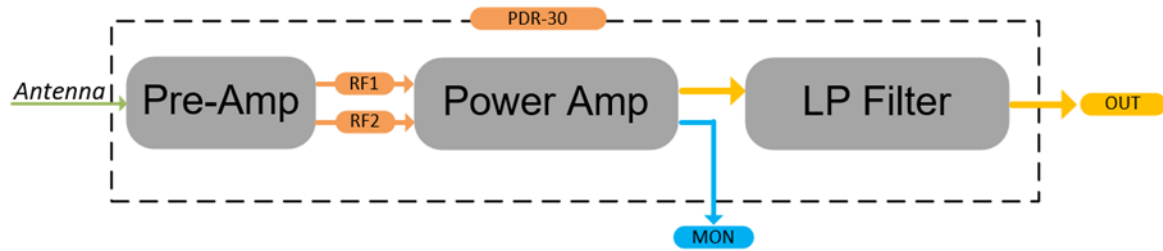


## General

The PDR-30 is intended for indoor usage. It is especially advantageous to be used inside buildings, rooms, tunnels ore other areas where field strength is weak. The unit is built with two internal components, a dual channel selective pre-amplifier and a power amplifier.

The unit is built in a dustproof mechanics with solid passive cooling and is built for the highest possible MTBF.

## BASIC BLOCK DIAGRAM:



## TECHNICAL SPECIFICATIONS

SPECIFICATIONS REPEATER PDR30	
Frequency Range	174-240MHz
Max Input power	- 20dBm
Input return loss	< -10dB
RF Connectors, input, output, and monitor	3x SMA Female
Max number of channels	2 DAB Ensembles
Number of RF inputs	1
Number of RF outputs, main & monitor	2
Monitor output level to main	-50 dB typical
Gain flatness	< 2 dB
Gain variation	< 2 dB
Harmonics	Aprox. < -70 dBc @ +30dbm out
Output power @+25°C	+30 dBm typical
Programmable attenuation	0 – 31 dB
<b>Control &amp; monitoring</b>	
Pre-amplifier	Via USB-C Output level, Lock status, Internal DC voltages Internal Temperature
Amplifier	via LAN, SNMP Web server Output RF power (reflected and forward) Internal DC voltages, Temperature
<b>POWER AND MECHANICAL</b>	
Power supply	100-250 VAC, 50-60 Hz
Connector	IEC320-C14
Power Consumption	15W
Operating temperature	0°C to +50°C
Storage Temp	-30°C to +60°C
Mechanical dimensions	420x300x100mm
Weight	Aprox. 7,0 kg