

Smart Masthead Processor - Auto or Manual Programming with 3 FM/DAB/VHF/UHF Inputs and 70-90dB μ V AGC Controlled Output

14MM-PR08-MH



The PR08-MH is a new generation Smart Masthead Processor, featuring three independent inputs that allow for the combination of multiple antennas. The PR08-MH is auto-programming making it simple to set and forget, or can be manually controlled via the rotating button on the front. The processor will scan all available channels, including FM and DAB/DAB+ and will amplify the weaker signals to match the stronger signals from local broadcasts. All channels will be output with even power levels to create a balanced and stable signal for your network. Channels with the same frequency can be amplified and relocated to the LTE band or rejected (switchable).

Features and Benefits

- » Smart Masthead Processor for FM/DAB/DAB+ radio, plus VHF and UHF DVB-T services, featuring fully automatic channel scan and processing functions, or full manual control via a rotary button.
- » Scans all channels, amplifies weak services, and balances them with stronger services before outputting an AGC-controlled 70-90dBQV configurable level.
- » Optional 12V DC output from input one to allow powering of upstream devices with built-in SAW filters for LTE (4G/5G) protection on all inputs.
- » Processes even the most difficult situations with adjacent channels from multiple antennas.
- » All output channels have an equal and stable output power level of user-defined 70-90dBQV
- » Wide range power input - 12V to 18VDC - can be used with 14MM-PSF1A or 14MM-PSF2A power supplies



Smart Masthead Processor - Auto or
Manual Programming with 3 FM/DAB/VHF/
UHF Inputs and 70-90dB μ V AGC
Controlled Output
14MM-PR08-MH



Inputs	3 x FM/VHF/UHF
Outputs	1
Input frequency range (EU*)	FM: 88 – 108 MHz, VHF:174 – 240 MHz, UHF: 470 – 694 MHz
Output frequency range (EU*)	88 – 862 MHz
LTE protection	694 MHz (5G)
Input level	35 - 105 dBQV
VHF/UHF Output power (60dB/IM3)	70 - 90 dBQV
Number of channel filters	32
Autoscan	Yes
Conversion	Yes (activate in advanced mode)
Gain	FM: >50, VHF: >50, UHF: >50 dB
Gain adjustment	Channel AGC
General attenuator	20 dB
FM/VHF attenuator	15 dB
Noise figure	7 dB
Selectivity	50 dB/1MHz
Return Loss	10 dB
Output MER	VHF: 35, UHF: 35 dB
ESD protection	All inputs
Power to antenna	Yes, on input 1
Remote voltage for preamp	12 V
Remote current	100 mA
Operating temperature	-20 to +50 °C
Power Supply	12-18V (use ref. 14MM-PSF1A)
Power consumption	6 W
Dimensions	82 x 98 x 32 mm
Weight	0.350 kg