

# 12x DAB/DAB+ or FM In to IP or Analogue Out Receiver

## 14MM-12DAB-FM

### Features and Benefits

- » 12x DAB/DAB+ or FM inputs to IP or Analogue outputs
- » For operation in SMATV and Cable TV networks
- » IP SPTS output in UDP/RTP
- » Web browser user interface with built in IP Switch
- » Line and headphone compatible audio monitor output
- » Can be used with Chameleon or Tangram to create DVBT output for radio insertion to TV systems



### 14MM-12DAB-FM Specifications

Input		
12 separate 75 Ω F-connectors		
FM	Frequency	76-108 MHz
	Signal level	See figure 1
	Sensitivity	See figure 1
	THD+N	See figure 1
	Selectivity, adjacent channel	typical 50 dB
	Supported de-emphasis	50 μs
RDS support on request		
DAB/DAB+	Frequency	168-240 MHz
	Signal level	See figure 1
	Sensitivity	See figure 1
	Selectivity, adjacent channel	typical 46 dB
Output		
IP	10/100/1000 Mbit RJ45 connector UDP and RTP	
Analog	3.5 mm phono jack (TRRS connector with left channel on tip, right channel on ring 1. Ring 2 and sleeve connected to ground).	
	Accepted loads: 16 Ω-10 k Ω	
	Voltage: Adjustable, nominal 0.95 V <sub>P-P</sub> *	
Encoding		
Audio coder	MPEG-1, layer II stereo at 192 kbit/s	
Audio sample rates	48 kHz	
Packaged into an MPEG transport stream		
Management		
Web UI via the 10/100/1000 Mbit RJ45 connector		
Software upgradeable via the web UI		

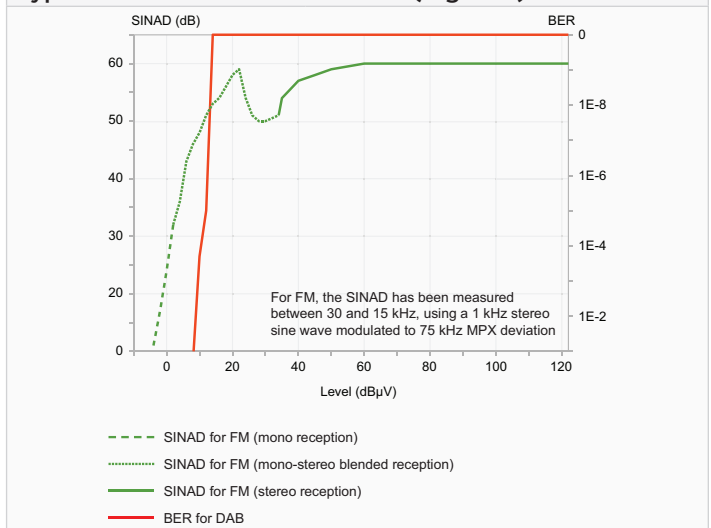
### Headend Equipment

Matchmaster has a full range of Headend Equipment from entry level to complex systems, including engineering support and system designs. Matchmaster can offer simple Channel Filters with AGC through to complex DVB modules for any type of broadcast including Encoders, Modulators & Transmodulators for DVB-T, DVB-C, DVB-S/S2, IP, ASI, SDI, FM and many more.



Miscellaneous	
Mounting	19" rack
Mechanical dimensions	483 x 44 x 166/184 mm **
Weight	2,05 kg
Operating temperature	0-40 °C
Operating humidity	<95%, non-condensing
Packaged dimensions	510 x 95 x 340 mm
Packaged weight	2,55 kg
Power Supply	
Connector	IEC-60320 C14
Voltage	85-264 VAC 50/60 Hz
Consumption	< 15 W

### Typical SINAD and BER vs Level (Figure 1)



\* See software manual for more information

\*\* Excluding/including connectors