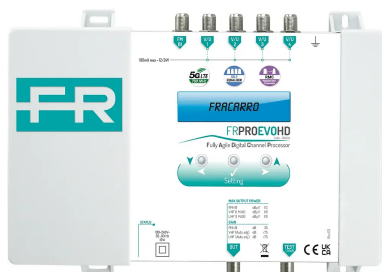


FRPRO EVO HD

Headends with filters



5-input (B1+FM, 4x VHF/UHF flexible) programmable head-end to carry out high selectivity filters with up to 118dB μ V output level for each filter. 32 filters from 1 to 6 channels, each with 9 selectivity levels.

New features Self equalizer and RMC have been added from Rev.03.



Technical Chars

- **Self Equalizer:** the product **scans** the signals received in the inputs and **automatically amplifies** the detected channels, **equalizing them** in the output. It can be done automatically after each short power failure or, via SW executed or disabled.
- **Repeated Mux Conversion:** in case of **isofrequency channels** present on multiple inputs, you can choose to **keep** only the higher power channel, or **convert** the lower power channel on the free 5G and 4G LTE frequencies (694 - 862 MHz).
- The station can **filter, convert, amplify and distribute** many DVB-T/T2 digital terrestrial multiplexes available in both VHF and UHF bands.
- **Perfect equalization of output signals.**
- Isofrequency filtering or channel conversion.
- Automatic gain control on each individual mux.
- **Automatic 5G LTE filtering.**
- **Reduces noise when a channel is turned off by the broadcaster** so as not to affect adjacent channels.
- Quick and easy installation and programming with on-board display and keypad and real-time readout of input and output levels.

FRPRO EVO HD		
Code		287434
Input		
Inputs		B1+FM, 4x VHF/UHF
Input no.		5
Connectors		F female
Filter		Flexible Matrix 32/1..6
Frequency FM	MHz	47 - 108
DAB, III Frequency	MHz	174 - 240
Frequency	MHz	470-862 or 470-694 AUTO LTE Filter
Dynamic adj	dB	>75 (auto AGC)
VHF input level	dB μ V	40-109
Maximum input level UHF	dB μ V	40-109

Outputs		
Outputs number		1
Connectors		F female
Mixed band	MHz	47 - 108/174 - 240/470 - 862
Max output level FM	dB μ V	113 (60dBIM3)
UHF Max Output level	dB μ V	118 (for each filter VHF/UHF)
Gain adjustment	dB	20
TV tilt adjustment	dB	15
VHF gain adjustment	dB	15
Cluster selectivity filter	dB	50 @1MHz
MER RF	dB	III+DAB / UHF: 35
Return loss	dB	>10
Specifications		
Power supply voltage	Vdc/A	100-230 / 50-60
Power supply voltage	V	-
Current consumption	W	15
Isolation class		II
Remote feeding		100 (12/24)
Output test	dB	-30
Operating temperature	°C	-5 to +50
Protection		IP20
Conformity		EN60065: 2004-06, EN50083-2: 2002-05
Dimensions and packaging		
Pieces		1
EAN code		8016978100507
Packaging dimensions	mm	270 x 228 x 68
Product dimensions	mm	217 x 165 x 59
Packaging weight	kg	1.24
Net Weight	kg	1
Weight	kg	0.8