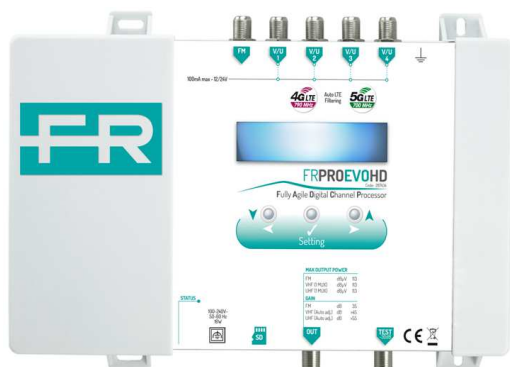


## Digital TV programmable profiler FRPRO EVO HD



The Fracarro **FRPRO EVO HD** profiler is a flexible and programmable compact high-selectivity headend, equipped with an innovative technology, that allows to **filter, convert, amplify** and distribute many **DVB-T/T2** digital terrestrial multiplexes available in **VHF/UHF** band with the possibility to mix also the FM signal on the output distribution.

FRPRO EVO HD is a **"Flexible" Digital Terrestrial Channels processor** that can be used to manage TV signals in **small or medium** installations such as Hospitality environment.

Thanks to the output **signal auto equalization feature**, the compact profiler can also be used in the most critical or **difficult reception contexts**.

### Characteristics

- **Output Signal Perfect Equalization:** the FRPRO EVO HD profiler equalizes the TV output signals in order to guarantee **a perfect stabilized signal in every condition**. In this way all the distributed TV programs are correctly available in every coaxial system socket.
- **Iso-frequency filtering or TV channels processor:** the product can manage and process in a "Matrix way" more than **50 independent RF channels** with a very high selectivity, especially regarding the adjacent channels.
- **Automatic Gain Control feature:** the profiler offers an "real time" Automatic Gain Control system for each multiplex managed in the VHF/UHF band
- **5 independent inputs:** 1 FM input and 4 VHF/UHF flexible inputs; with selectable 12-24V remote power on VHF and UHF inputs.
- **Easy, quick and secure setup:** thanks to the display and the three buttons available on the front panel, the Profiler Light settings is **very easy**, fast and intuitive; in addition, a security PIN code is provided to prevent accidental settings.
- **Auto LTE filtering:** each UHF input is equipped with a high-performance LTE filtering that automatically set itself to cut frequencies higher than 790MHz (4G) frequency or higher than 700MHz (5G) depending on the digital terrestrial multiplexes managed in the VHF-UHF inputs.
- **Easy and quick maintenance:** the power supply can be easily removed on the field and can be replaced with another with equal technical characteristics, in order to minimizing any service interruption.
- **SD slot** to save or copy a configuration to another headend.

		FRPRO EVO HD
Fracarro code		287434
<b>Inputs</b>		
Input number	N°	5 (FM, 4 flexible VHF/UHF)
N° filters / N° channels per filter		32/1÷6
Bandwidth	MHz	FM: 88÷108; VHF: 174÷240; UHF: 470÷862
AGC range	dBµV	FM: 37÷77; VHF: 40÷109; UHF: 40÷109
LTE filtering	MHz	Automatic selection 694, 790 or disabled
<b>Outputs</b>		
Output number	N°	1, Test (-30dB)
Maximum level	dBµV	FM: 113 (60dB/IM3); VHF: 118; UHF: 118 (for 32muxes)
Level adjustment	dB	20
Gain (Adjustment)	dB	FM: 35 (20); VHF: 75 (auto AGC); UHF: 75 (auto AGC)
Slope adjustment/FM+DAB atten.	dB	15/15
Selectivity	dB@1MHz	50
Typical MER	dB	VHF: 35; UHF: 35
<b>General characteristics</b>		
Mains voltage	V, Hz	100÷240, 50/60
Consumption	W	15
Remote power	V, mA	12 or 24, 100 total (for VHF, UHF 1 and UHF 2 inputs)
Dimensions (l x h x w)	mm	217 x 165 x 59
Operating temperature	°C	-5÷50
Weight	Kg	0,8

Code	Article	Packaging	Quantity	Dimensions	Net Weight	Total Weight
			pcs	Mm	kg	kg
287434	FRPRO EVO HD	Single	1	270 x 228 x 68	0.75	0.80