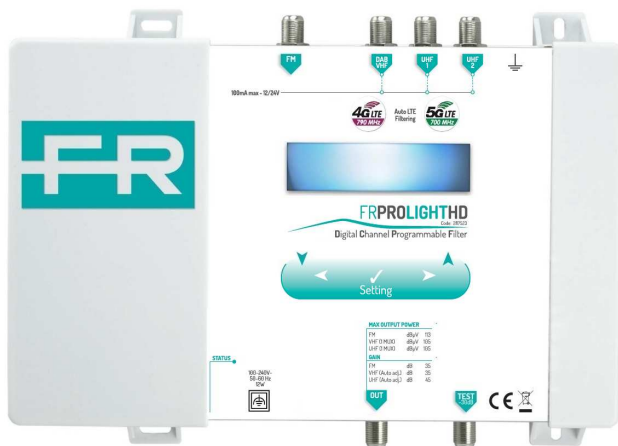


## Digital TV programmable profiler

# FRPRO LIGHT HD



The Fracarro **FRPRO LIGHT 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 LIGHT 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 LIGHT 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" up to **30 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
- **VHF, 2 UHF inputs and one extra FM input:** FRPRO LIGHT HD is equipped with 4 independent inputs: FM input, VHF and 2 UHF inputs with remote 12- 24V selectable power supply for all VHF and UHF ports.
- **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.

|                                |         | FRPRO LIGHT HD  |
|--------------------------------|---------|---|
| Fracarro code                  |         | 287523  |
| <b>Inputs</b>                  |         |   |
| Input number                   | N°      | 4 (FM, VHF+DAB, UHF 1 e UHF 2)                        |
| Bandwidth                      | MHz     | FM: 88-108; VHF: 174-240; UHF: 470-862                |
| AGC range                      | dBµV    | FM: 37-77; VHF: 45-109; UHF: 45-109                   |
| 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: 105; UHF: 105 (per 15 mux)   |
| Level adjustment               | dB      | 20  |
| Gain (Adjustment)              | dB      | FM: 35 (20); VHF: 35 (auto AGC); UHF: 45 (auto AGC)   |
| Slope adjustment               | dB      | 9   |
| Selectivity                    | dB@1MHz | 35  |
| Typical MER                    | dB      | VHF: 35; UHF: 35                                      |
| <b>General characteristics</b> |         |   |
| Mains voltage                  | V, Hz   | 100-240, 50/60  |
| Consumption                    | W       | 12  |
| 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 to 50  |
| Weight                         | Kg      | 0,8   |

| Code   | Article        | Packaging | Quantity | Dimensions     | Net Weight | Total Weight |
|--------|----------------|-----------|----------|----------------|------------|--------------|
|        |                |           | pcs      | Mm             | kg         | kg           |
| 287523 | FRPRO LIGHT HD | Single    | 1        | 270 x 228 x 68 | 0.75       | 0.80         |