

FRPRO LIGHT 5G

Headends with filters



3-input (VHF+DAB / UHF flexible) **programmable head-end** to carry out high selectivity filters with up to 108dB μ V output level for each filter. **32 filters from 1 to 6 channels**, each with 9 selectivity levels.



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 and 4G LTE filtering.**
- Quick and easy installation and programming with on-board display and keypad and real-time readout of input and output levels.
- **External power supply included in package**

initial_fields		
Code		287629
Input		
Inputs		3 x VHF/UHF
Input no.		3
Connectors		F female
Filter		Flexible Matrix 32/1..6
DAB, III Frequency	MHz	174 - 240
Frequency	MHz	470-694 (5G >40dB filter)
Dynamic adj	dB	>60 (auto AGC)
VHF input level	dB μ V	Self Equalizer: 45÷109; Configurazione manuale: 37 -109
Maximum input level UHF	dB μ V	Self Equalizer: 45÷109; Configurazione manuale: 37÷109

Outputs		
Outputs number		1
Connectors		F female
Mixed band	MHz	174 - 240/470 - 862
UHF Max Output level	dB μ V	108 (for each filter VHF/UHF)
Gain adjustment	dB	20
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	-
Power supply voltage	V	12-15 (289087 - SPS1750 included)
Current consumption	W	9
Remote feeding		100 (12/24)
Output test	dB	-
Operating temperature	$^{\circ}$ C	-5 to +50
Protection		IP20
Conformity		EN60065: 2004-06, EN50083-2: 2002-05
Dimensions and packaging		
Pieces		1
EAN code		8016978106813
Product dimensions	mm	195 x 165 x 50
Net Weight	Kg	1
Weight	Kg	0.8

Perfect equalization

FRPRO power packs allow for a **perfectly equalized signal** at the output due to separate input filter management and high dynamic CAG.