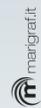


FRACARRO



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FRPRO

The most flexible and selective amongst
the programmable cluster headends



FRACARRO

FRPRO

The most flexible and selective amongst the programmable cluster headends

FRPRO is the brand new range of headends designed by Fracarro's internal R&D department, guaranteeing highly selective filtering and amplification of television channels.

EXTREME FLEXIBILITY

EXTREME FLEXIBILITÀ

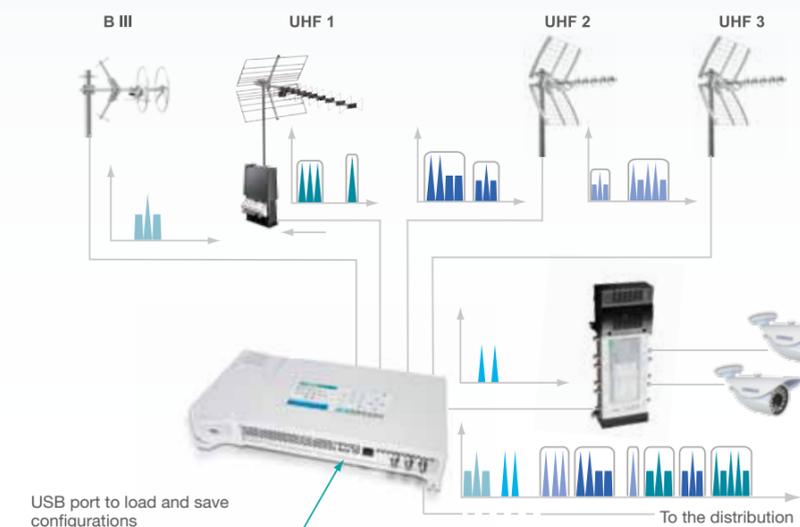
Designed to offer excellent technological standards, the FRPRO headends are characterised by their extreme flexibility.

The clusters in the UHF band can be selected from any of the 3 available inputs thanks to a free distribution matrix.

DOUBLE SELECTIVITY

DOBBLA SELETTIVITÀ

The FRPRO headends guarantee selectivity twice that of other solutions available on the market.



The range

The headends are available in 4 versions, covering any installation requirement.



FRPRO



- ▶ **FRPRO 06**
Output level: 121dB μ V
For installations up to 50 Outlets
6 Clusters
- ▶ **FRPRO 10**
Output level: 121dB μ V
For installations up to 50 Outlets
10 Clusters
- ▶ **FRPRO 10A**
Output level: 125dB μ V
For installations up to 100 Outlets
10 Clusters
- ▶ **FRPRO 10S**
Output level: 120dB μ V
For installations up to 100 Outlets
10 Clusters
SAT input

Installation

QUICK AND EASY TO INSTALL

QUICK AND EASY TO INSTALL

An outstanding feature of these solutions is that they are easy to use. To complete the installation of the FRPRO headends it takes just 3 steps.



1 **Set the frequencies to be distributed**, using also the FRPRO software, downloadable from the Fracarro website free of charge.



2 **Save the configuration on a USB pen drive** and upload it on to the headend.



3 **With the "self-alignment"** function the headend automatically measures the power of the different channels one by one, equalising them if necessary.

This procedure is similar to that achieved by manually fine-tuning all the channels, which increases the setup time.

FRPRO Software

USER FRIENDLY

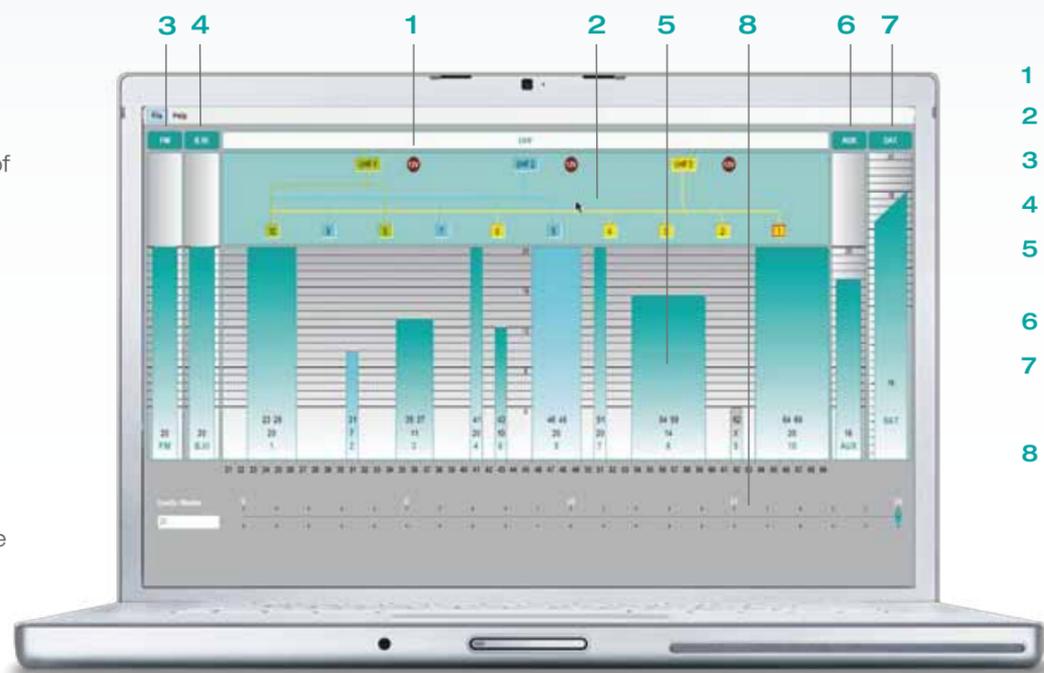
USER FRIENDLY

The headends can be programmed using the FRPRO software, designed by Fracarro and downloadable from the Fracarro website free of charge.

FRPRO software allows you to:

- ▶ easily change the setting of the channel
- ▶ create additional configurations to be used on different sites
- ▶ save an archive
- ▶ dynamically align inputs with the input amplifier adjustment to optimise the noise figure

The software is extremely simple to use: all the actions can be carried out by a simple click of the mouse.



- 1 Indicates mains voltage
- 2 Inputs cluster matrix
- 3 FM gain adjustment
- 4 B.III+DAB gain adjustment
- 5 Clusters settings in the UHF band
- 6 AUX input gain adjustment
- 7 SAT input gain adjustment and tilt adjustment (for FRPRO 10S only)
- 8 Master gain adjustment

USB compatible

FRPRO headends are equipped with a USB port to make the installation easier.



USB port enables you to:

- ▶ load the configuration set by means of the software to the headend
- ▶ save additional configurations to be used on different installation sites
- ▶ copy the configuration from one headend to another

FRPRO Series technical data

	FRPRO 06 (272106)	FRPRO 10 (272102)	FRPRO 10A (272103)	FRPRO 10S (272104)				FRPRO10S
Inputs	No.	FM	B. III+DAB	AUX	UHF1	UHF2	UHF3*	SAT
Frequency	MHz	87-108	170-320	47-862	470-862	470-862	470-862	950-2150
Selectable cluster on inputs - FRPRO 06 inputs		-	-	-	5, 6	1, 2, 3, 4, 5, 6	-	-
Selectable cluster on inputs - FRPRO 10, 10A, 10S inputs		-	-	-	8, 9, 10	5, 6, 7, 8, 9, 10	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	-
Gain	dB	46	46	36	43 (FRPRO 06), 43 (FRPRO 10) 48 (FRPRO 10A) 43 (FRPRO 10S)			35-42 tilted
Dynamic adjustment (on each input)	dB				20			
Cluster adjustment	dB	-	-	-	20	20	20	-
Master level adjustment	dB				20			-
Max. input level	dB μ V DTT	90	90	110	95	95	95	-
Max. output level	dB μ V DTT	121 (FRPRO 06) - 121 (FRPRO 10) - 125 (FRPRO 10A) - 120 (FRPRO 10S)						120
Remote power (max. 200/100mA)		No	No	No	12/24V	12/24V	12/24V	13/18, 0-22kHz

*not for FRPRO 06 model.

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