

Programmable headends

FRPRO10A





Agile multi-cluster headends to filter both digital and analogue channels. 10 totally flexible and programmable clusters to filter each channel in UHF band. High selectivity enabling the equalization of the channels even with high signal variations. Simple to set up using the built in keypad and 16x2 display or uploading a pre-configured plan directly from a USB pen drive.

Main Specifications

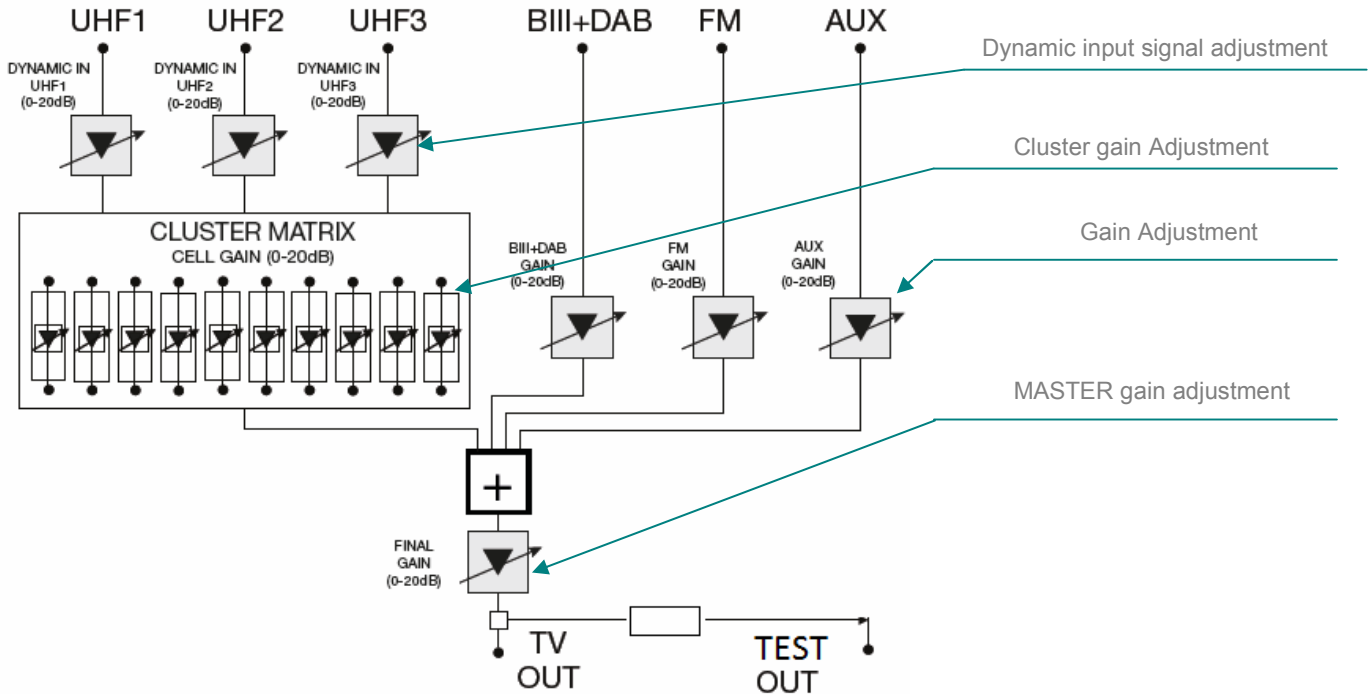
- Compact die-cast housing maximizing the endurance of the product in a stylish design
- Input matrix cluster selection is completely flexible allowing the allocation of the cluster filters to each UHF input.
- Selectivity of the cluster filters has been doubled 20dB@10MHz
- Built in programmer for a quick and easy installation with keypad and LCD display.
- Auto-equalisation function to automatically adjust all signals available on the UHF inputs.
- Natural convection cooling
- Personal computer software to preset all configuration parameters for direct upload via USB pen drive or back up for future use.

			FRPRO 10A
Fracarro code			272103
Inputs			No
	Input 1	Band	6
	Input 2	Band	UHF1
	Input 3	Band	UHF2
	Input 4	Band	UHF3
	Input 5	Band	III + DAB
	Input 6	Band	FM
Outputs			TV (AUX)
	Output 1	Band	2
	Output 2	Band	TV
			TV (Test -25dB)
INPUTS 1,2,3 Band UHF1, UHF2, UHF3			
Selectable channels			No
Gain			E21 - E69 (470 - 862)
Dynamic input signal adjustment			48
Noise figure			20
Input/Cluster selection			6
			UHF1
			8,9,10
			UHF2
			5,6,7,8,9,10
			UHF3
			1,2,3,4,5,6,7,8,9,10
Cluster bandwidth			8-48 (from 1 to 6ch)
Cluster gain adjustment			20
Cluster selectivity			20dB@10MHz

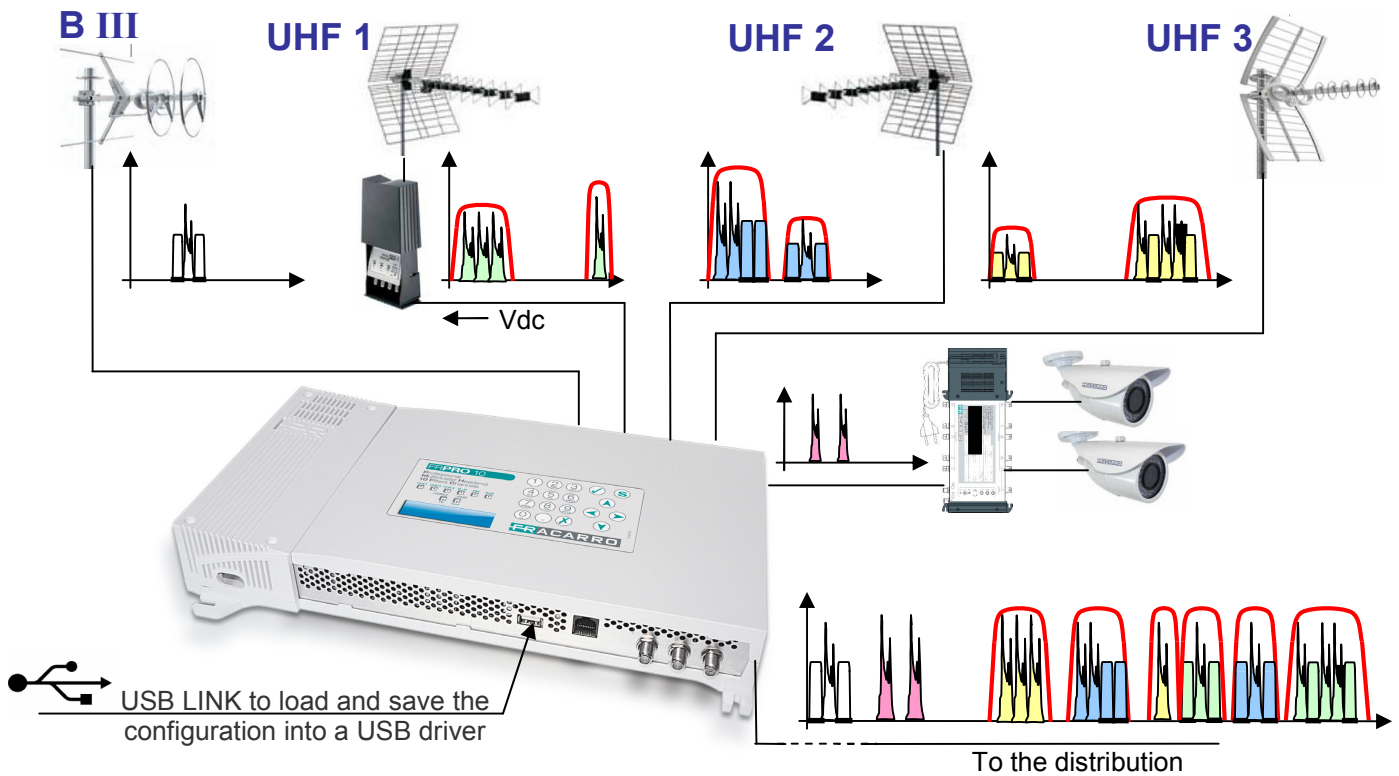
Maximum input level	dBuV	90
Maximum output level (IM3 -35dBc 2 tones) Dtt Signals only	dBuV	125
Maximum output level (IM3 -54dBc 2 tones)	dBuV	119
INPUT 4 Band III +DAB		
Bandwidth	MHz	174 ÷ 300
Gain	dB	46
Gain adjustment	dB	20
Noise figure	dB	6
Maximum input level	dBuV	90
Maximum output level (IM3 -35dBc 2 tones) DTT Signals only	dBuV	123
Maximum output level (IM3 -54dBc 2 tones)	dBuV	119
INPUT 5 Band FM		
Bandwidth	MHz	88 ÷ 108
Gain	dB	46
Gain adjustment	dB	20
Noise figure	dB	6
Maximum input level	dBuV	90
Maximum output level (IM3 -50dBc 2 tones)	dBuV	119
INPUT 6 Band AUX		
Bandwidth	MHz	47 ÷ 862
Gain	dB	36
Gain adjustment	dB	20
Noise figure	dB	10
Maximum input level	dBuV	110
Maximum output level (IM3 -35dBc 2 tones) DTT Signals only	dBuV	125
Maximum output level (IM3 -54dBc 2 tones)	dBuV	119
Main Features		
MASTER gain adjustment	dB	20
Configuration loading and saving		USB 2.0
Mains	Vac/Hz	220-240,50-60
Power consumption	W	25
Remote feeding UHF inputs	V	12/24, 250/100mA max
Connectors		F female
Operating temperature	°C	-5 to +50
IP protection		IP20
Test point	dB	-25
Standard conformity		EN60065: 2004-06, EN50083-2: 2002-05

Fracarro Code	Item	Packing	EANCode	Quantity	Dimensions	Net weight	Gross weight
				Pieces	mm	Kg	Kg
272103	FRPRO10A	Single	8016978087037	1	400x300x70	4.00	4.15

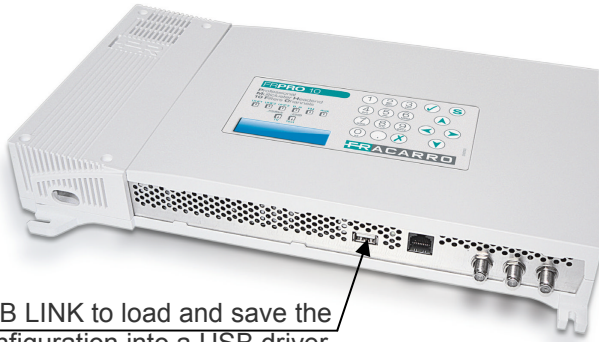
Block Diagram



Installation Example



Personal Computer Programming Software



USB LINK to load and save the configuration into a USB driver

Headend configurations can be pre-programmed using the FRPRO PC software. By saving the profile to a USB pen drive, the installer can simply upload the required setup directly to any FRPRO headend unit. Existing profiles can also be down loaded from the FRPRO headend for back up or to be used elsewhere.

