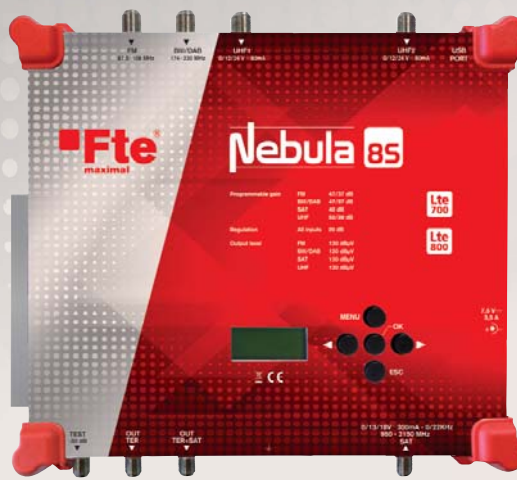




## Nebula 8



## Nebula 8S



### Nebula 8 and Nebula 8S features

- ✓ Easy use with keyboard and display integrated in front
- ✓ Multiple configurations available

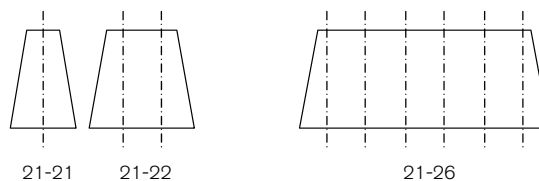
#### NEBULA 8

Inputs> COMBINATIONS V	Filters		UHF1	UHF2
	UHF1	UHF2		
1	8	0	1-8	-
2	7	1	1-7	8
3	6	2	1-6	7-8
4	5	3	1-5	6-8
5	4	4	1-4	5-8

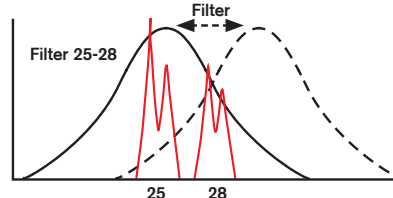
#### NEBULA 8S

Inputs> COMBINATIONS V	Filters		UHF1	UHF2
	UHF1	UHF2		
1	0	8	-	1-8
2	2	6	1-2	3-8
3	3	5	1-3	4-8
4	4	4	1-4	5-8
5	1	7	1	2-8

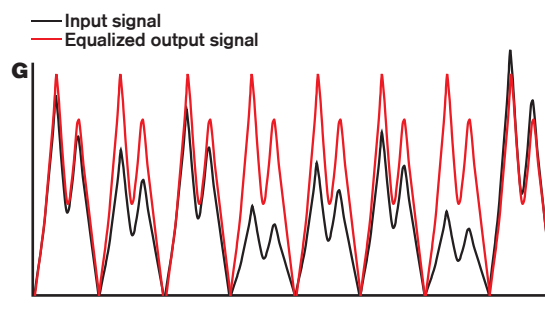
- ✓ Selectable band up to 6 channels in UHF (48 MHz)



- ✓ Fine adjustment for each filter



- ✓ Auto Leveling function. Up to 20 dB



- ✓ Backup function, program in few seconds your stored configurations in USB memory
- ✓ AGC function. It guarantees a stable output level in distribution compensating up to +/- 10 dB

## Technical Specifications programmable headends. Nebula series

		<b>Nebula 8</b>	<b>Nebula 8S</b>
<b>Code</b>		2003437	2003438
<b>Description</b>		Programmable central 8 filters UHF	Programmable central 8 filters UHF and SAT
<b>Inputs</b>	<b>BI / FM</b>	88 - 108 MHz	88 - 108 MHz
	<b>BIII / DAB</b>	174 - 230 MHz	174 - 230 MHz
	<b>2 x UHF</b>	Modo LTE800: 470-790 MHz Modo LTE700: 470-694 MHz Programmable 8 filters with BW of 1 to 6 channels (8-48 MHz) per filter	LTE800 mode: 470-790 MHz LTE700 mode: 470-694 MHz Programmable 8 filters with BW of 1 to 6 channels (8-48 MHz) per filter
	<b>SAT</b>	-	950 - 2150 MHz
<b>Switchable LTE band filter</b>		Lte 800: from 790 MHz Lte 700: from 694 MHz	Lte 800: from 790 MHz Lte 700: from 694 MHz
<b>Outputs</b>		1 + 1 of test (-20dB)	TER+SAT, TER + 1 de test (-30 dB)
<b>Gain</b>	<b>FM</b>	40/30 dB	47/37 dB
	<b>BIII / DAB</b>	40/34 dB	47/37 dB
	<b>SAT</b>	-	40 dB
	<b>UHF</b>	48/34 dB	52/38 dB
<b>Regulation</b>		All inputs 20 dB / UHF input 20 dB each filter	All inputs 20 dB / UHF inputs 20 dB each filter + 20 dB general
<b>Output level</b>	<b>FM</b>	118 dB $\mu$ V	120 dB $\mu$ V
	<b>BIII / DAB</b>	118 dB $\mu$ V	120 dB $\mu$ V
	<b>SAT</b>	-	120 dB $\mu$ V
	<b>UHF</b>	118 dB $\mu$ V	120 dB $\mu$ V
<b>Input / Output return loss</b>	<b>FM</b>	$\geq 10$ dB $\geq 10$ dB	$\geq 10$ dB $\geq 12$ dB
	<b>BIII / DAB</b>	$\geq 10$ dB $\geq 10$ dB	$\geq 8$ dB $\geq 12$ dB
	<b>SAT</b>	-	$\geq 8$ dB $\geq 12$ dB
	<b>UHF</b>	$\geq 8$ dB $\geq 10$ dB	$\geq 8$ dB $\geq 10$ dB
<b>Preamplifiers feeding</b>		In UHF inputs 0/12/24 VDC (80mA) max.	In UHF inputs 0/12/24 VDC (80mA) max.
<b>Feeding LNCs</b>		-	0/13/18VDC - 0/22KHz / 300 mA
<b>Max. Input level</b>		83 dBuV	88 dBuV
<b>Possible combination of filters UHF1-UHF2</b>		8-0, 6-2, 5-3, 4-4, 7-1	0-8, 2-6, 3-5, 4-4, 1-7
<b>Tilt</b>		-	SAT: 0/9 $\pm$ 2 dB
<b>Programming</b>		Through integrated programmer with 5 buttons and 2-line LCD display of 8 characters	Through integrated programmer with 5 buttons and 2-line LCD display of 8 characters
<b>Noise figure</b>	<b>FM</b>	6 dB	6 dB
	<b>BIII / DAB</b>	5 dB	5 dB
	<b>UHF</b>	9,5 dB	10 dB
	<b>SAT</b>	-	7 dB
<b>Selectivity (<math>\pm 16</math> MHz)</b>		> 16 dB	> 16 dB
<b>Feeding</b>		12V-1.5A max	7.5V-3.5A max
<b>External power supply (VAC)</b>		12V-2.5A 230Vac 50-60Hz	7.5V-3.5A/ 230Vac 50-60Hz
<b>Consumption</b>		13W / 230Vac	33W / 230Vac
<b>USB port</b>		USB 1.1 to import / export configurations	USB 1.1 to import / export configurations
<b>Temperature</b>		-5 / +50°C	- 5 / +50°C
<b>Dimensions</b>		223 mm x 180 mm x 51 mm	245 mm x 220 mm x 51 mm