



Programmable filters amplifier for 50 channels

art. 26-701 REVOLUTION LITE

Indoor programmable filters amplifier, indicated to optimize the amplification of DTT signals on medium/large size TV systems. Ideal where signals are received from different directions and with different power levels.

It allows to process more than 50 TV channels.

The channels can be received individually (using the "Add 1 channel" menu, eg. 21) or in groups of two adjacent channels (using the "Add 2 channels" menu, eg. 21+22).

If the channels are selected individually, it is possible to receive up to 32 channels.

If all channels are selected in groups of two adjacent channels it is possible to receive up to a maximum of 50.

Channels of VHF or UHF band received individually can be re-allocated to any other channel in the VHF or UHF band.

It is equipped with an automatic LTE filter:

- if the channels set on the inputs are lower than E48 channel, the 694 MHz filter is activated;
- if the channels set on the inputs are lower than E60 channel, the 790 MHz filter is activated;
- if the channels set on the inputs are higher than E60 channel, the LTE filter is turned off.

It is realized in shielded housing with screw F-type connectors.

User interface via LCD display and a control knob. It has a SD card slot (SD card not included) with which is possible to copy the configuration and load a previous configuration.

It is equipped with 5 inputs, all amplified: 1 FM input with gain level regulator 0 ÷ 20 dB and 4 VHF/UHF inputs with AGC (automatic gain control).

The first selected channel determines if the input you are programming will be VHF or UHF. This means that VHF and UHF channels can not be combined in the same input.

You can enable on them the remote power supply, to 12 V or 24 V (max 100 mA for 4 inputs).

Equipped with an output and a monitor output for test (-30 dB).

The VHF band includes from E05 channel up to E12 channel (174÷230 MHz).

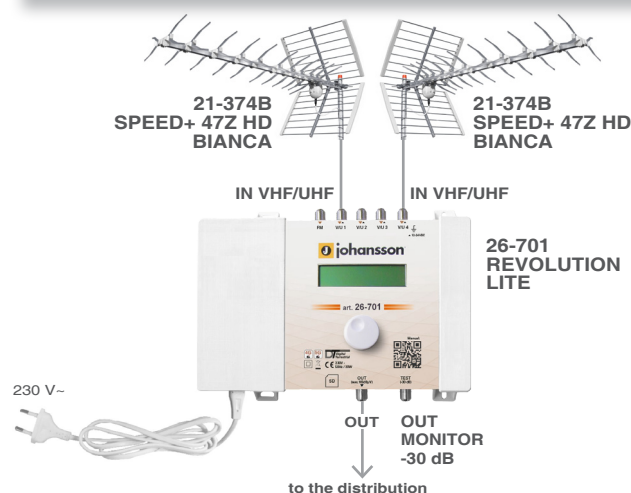
The UHF band includes from E21 channel up to E69 channel (470÷862 MHz).

Code	26-701
Item	REVOLUTION LITE
No. of inputs	5
Type of inputs	FM - V/U - V/U - V/U - V-U
Working range	MHz FM: 88 ÷ 108 VHF: 174 ÷ 240 UHF: 470 ÷ 862
Input level	dBμV FM: 37 ÷ 77 VHF: 40 ¹ ÷ 109 UHF: 40 ¹ ÷ 109
Max output level	dBμV FM: 113 ² VHF/UHF: 113 (1 MUX) VHF/UHF: 110 (6 MUX)
No. channel selectable	50
Add channels	Single ch. or 2 adjacent ch.
Conversions	Yes, in V and U band
Gain	dB FM: 15 ÷ 35 VHF: > 35 UHF: > 45
Gain adjustment	FM: 20 dB VHF/UHF: AGC
Output level adjustment	dBμV VHF/UHF: 85 ÷ 105 (95 default)
Slope adjustment	dB 15
Selectivity Δ 1 MHz	dB 35
Channel bandwidth options	optimized (default), Best MER or more selective filter
Return loss	dB 10
Electrostatic discharge protection	All inputs
Remote power supply	Vdc 12 or 24
Power Supply	mA 100 (for 4 inputs)
AC main tension	230 V~ ±10% 50Hz
Power consumption	W 19
Isolation class	II
SD port	mm Yes
Dimensions (LxWxH)	mm 220x165x55
Packaging dimensions (LxWxH)	Kg 270x225x70
Packaging weight	Kg 1,183
Product weight	°C 0,078
Fit temperature	-5 ÷ +50
Compliant to	EN 55083-2, EN 60065

Characteristics

- Can process up to 50 channels, with the possibility to convert the channel received in standard mode
- Read-out of input level strength: no need for field strength meter
- Sharpest filters on the market (>35dB on adjacent channels)
- Complete flexibility in assigning filters from any input
- Status LED for the indication of DC power presence
- Can be locked with a security code

Example of application



¹ For 64QAM with code rate 3/4

² Maximum output level measured with the method 60 dB/IM3.

Technical data refer to a temperature of 25 °C

