



## Programmable filters amplifier for 50 channels

### art. 26-711A REVOLUTION PLUS HP

Indoor programmable filters amplifier, indicated to optimize the amplification of DTT signals on medium/small 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 or in groups from two to six adjacent channels.

If the channels are selected individually, it is possible to receive up to 15 channels.

If all channels are selected in groups of two adjacent channels it is possible to receive up to a maximum of 75.

It is possible to convert a VHF channel or group of channels to VHF band and a UHF channel or group of channels to 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.

Equipped with Auto Channel function: it attenuates the noise when a channel interrupts the transmission and allows to program the channels before they are broadcast, attenuates the noise until the transmissions begin.

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

User interface via LCD display and a control knob.

It is equipped with 4 inputs, all amplified: 1 FM input with gain level regulator 0 ÷ 20 dB and 1 DAB/VHF input and 2 UHF inputs are equipped with AGC (automatic gain control).

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).

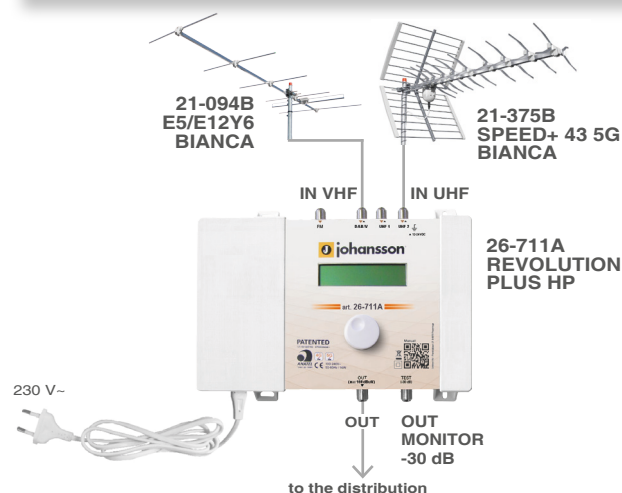


Code	26-711A
Item	REVOLUTION PLUS HP
No. of inputs	4
Type of inputs	FM - DAB/V - U - U
Working range	MHz FM: 88 ÷ 108 VHF: 174 ÷ 240 UHF: 470 ÷ 862
Input level	dBμV FM: 37 ÷ 77 VHF: 45 ÷ 109 UHF: 45 ÷ 109
Max output level	dBμV FM: 113 (60dB/IM3) V/U: 114 (60dB/IM3) V/U: 125 (35dB/IM3) V/U: 108 (1 MUX) V/U: 107 (6 MUX)
No. channel selectable	> 50
Add channels	Single channel or a channel group (2 ÷ 6 adjacent ch.)
Conversions	Yes (in the same band)
Gain	dB FM: 15 ÷ 35 VHF: > 60 UHF: > 60
Gain adjustment	FM: 20 dB VHF/UHF: AGC
Output level adjustment	dBμV VHF/UHF: 88 ÷ 108 (default: 98)
Selectivity Δ 1 MHz	dB 50
Channel bandwidth options	optimized (default), Best MER or more selective filter
Electrostatic discharge protection	10
Remote power supply	Vdc All inputs
Power Supply	mA 12 or 24
AC main tension	100 (for 4 inputs)
Power consumption	W 240 V ~ ±10% 50Hz
Isolation class	12
Classe di isolamento	II
Dimensions (LxWxH)	mm Yes
Packaging dimensions (LxWxH)	mm 270x225x70
Packaging weight	Kg 1,183
Product weight	Kg 0,78
Fit temperature	°C -5 ÷ +50
Compliant to	EN 55083-2, EN 60065

### Characteristics

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

### Example of application



<sup>1</sup> For 64QAM constellation with code rate 3/4.  
Technical data refer to a temperature of 25 °C

