



## Programmable filters amplifier for 50 channels

### art. 26-700A REVOLUTION HP

Indoor programmable filters amplifier, indicated to optimize the amplification of DTT signals on medium or large size TV systems. Channel filters are highly performing (>50dB on adjacent channels) and make this Kit ideal in areas 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.

Channels of VHF or UHF band received individually can be re-allocated to any other channel in the VHF or UHF band. Automatic LTE filter depending on the selected channels.

It is equipped with 5 inputs, all amplified: 1 Band 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.

Made in a shielded case equipped with F-type screw connectors. User interface via LCD display and selection knob.

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

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

Equipped with useful functions, such as:

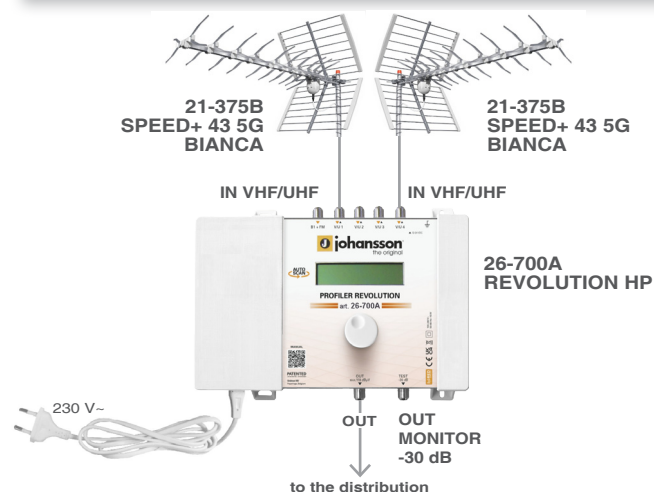
- **Autoscan** function (intelligent self-programming function) which allows the amplifier, once installed on the system, to autonomously scan all the signals received on the inputs and automatically select the signals to be amplified. However, it is possible to change the programming manually.
- **Duplicatch** function (double channel conversion) allows, if a signal is received from several antennas, to amplify even the weakest one by allocating it in the LTE band. When this function is disabled, only the one with the highest power level is amplified, excluding the weakest one.
- **Repower** function allows you to automatically rescan when there is a blackout of 6 seconds or less. If the blackout exceeds six seconds, the output configuration is not changed. If this feature is disabled, the amplifier will never automatically rescan.
- **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.

Code	26-700A	
Item	REVOLUTION HP	
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 <sup>1</sup> ÷ 109 UHF: 40 <sup>1</sup> ÷ 109
Max output level	dBμV	FM: 113 (60dB/IM3) V/U: 120 (60dB/IM3) V/U: 131 (35dB/IM3) V/U: 118 (1 MUX) V/U: 113 (6 MUX)
No. channel selectable	> 50	
Add channels	Single channel or a channel group (2 ÷ 6 adjacent ch.)	
Conversions	Yes, on V and U band	
Gain	dB	FM: 15 ÷ 35 VHF: > 75 UHF: > 75
Gain adjustment	FM: 20 dB VHF/UHF: AGC	
Output level adjustment	dBμV	VHF/UHF: 98 ÷ 118 (default: 108)
Slope adjustment	dB	15
Selectivity Δ 1 MHz	dB	50
Self-programming function	Yes	
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	240 V~ ±10% 50Hz	
Power consumption	W	15
Isolation class	II	
Dimensions (LxWxH)	mm	220x165x55
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 up to 50 channels, with the possibility to convert the channel received in standard mode
- Read-out of input level strenght
- Complete flexibility in assigning filters from any input
- Intelligent self-programming: scanning of all signals received on the inputs and automatic selection of the signals to be amplified LED per l'indicazione della presenza di corrente
- 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

