



## Kit with autoprogrammable TV amplifier SMART AMP series

### art. KIT7473L1 KIT SMART AMP - 3 IN



Kit consisting of n. 1 self-programmable SMART AMP amplifier, n. 1 power supply, n. 1 mast fixing accessory (for outdoor installation) and n. 1 wall fixing accessory for the amplifier (for indoor installation).

Suitable for the amplification of DTT signals in small and medium-sized TV systems. High performance channel filters (adjacent channel separation >35 dB) make it ideal in areas where signals are received from different directions and with different power levels.

Thanks to the intelligent self-programming, the amplifier does not need to be programmed in advance because, once installed on the TV system, it autonomously scans all the signals received by the inputs and automatically selects the signals to be amplified.

To force a channel scan, unpower and repower the amplifier within 4 seconds.

Amplifier with 3 VHF+UHF broadband inputs, all amplified and equipped with AGC (Automatic Gain Control), and 1 output with equalized signal level at 85 dB $\mu$ V.

Cut off of LTE frequencies (790 ÷ 862 MHz) on all the inputs, starting from E60 channel.

Amplifier equipped with a switch to enable the conversion function for double channels.

"Dupl. Ch." switch OFF: in the case of a signal is received from several antennas, the amplifier amplifies the signal with the highest power level, excluding the weakest one.

"Dupl. Ch." switch ON: the amplifier also amplifies the weakest signal, converting it into one of the free frequencies of the LTE band (790 ÷ 862 MHz).

Amplifier realized in shielded housing with screw F-type connectors. Tilting case for quick installation.

### Characteristics

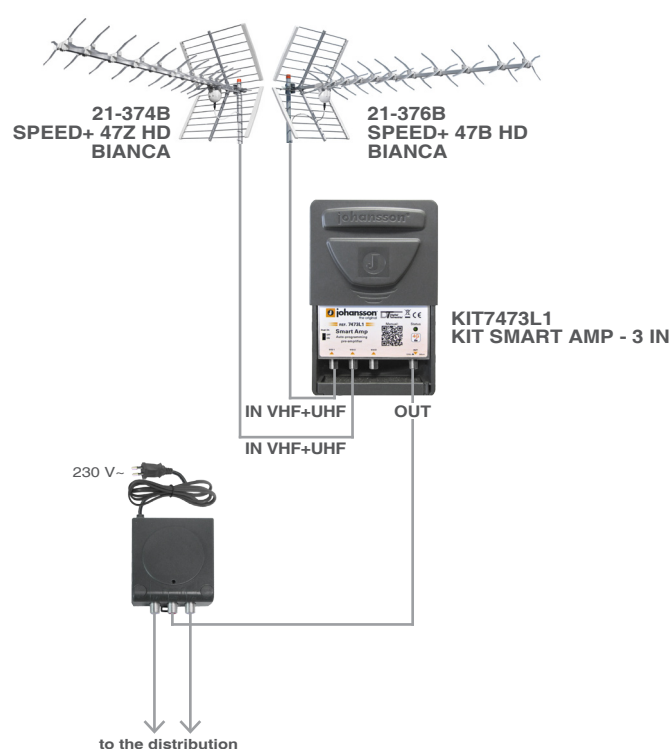
- Intelligent self-programming: scan of all the signals received by the inputs and automatic selection of signals to be amplified
- Switch for converting double channels to LTE band
- High selectivity channel filters (> 35 dB on adjacent channels)
- Automatic Gain Control (AGC)
- Output signals all equalized at 85 dB $\mu$ V
- LED for indicating the presence of current

Code Item	KIT7473L1 KIT SMART AMP - 3 IN	
<b>SMART AMP AMPLIFIER</b>		
Suitable for TV systems with no. outlets	10 max	
No. of inputs	3	
Type of inputs	all VHF+UHF	
Input frequency range	MHz	VHF: 174 ÷ 240 UHF: 470 ÷ 790
LTE band rejection (790 ÷ 862 MHz)	dB	> 40
Input sensitivity	dB $\mu$ V	40
No. of outputs	1	
Output power	dB $\mu$ V	85
Gain adjustment	AGC	
Output frequency range:		
"Dupl. Ch." switch OFF	MHz	174 ÷ 790
"Dupl. Ch." switch ON	MHz	174 ÷ 862
LTE band re-used for double channels conversion	MHz	790 ÷ 862
Adjacent channel isolation	dB	>35
Power supply (DC over coax on OUT connector)	12 Vdc - 300 mA	
Dimensions (LxWxH)	mm	112x55x100
Packaging dimensions (LxWxH)	mm	270x225x70
Packaging weight	Kg	0,619
Product weight	Kg	0,226
Fit temperature	°C	-20 ÷ +50
Compliant to	2014/53/UE, 2011/65/UE	

<b>SUPPLIED POWER UNIT</b>	
AC main tension	100 ÷ 230 V~ 50Hz
Isolation class	II
Power consumption	W 6,5
Supplied power	12 Vdc - 400 mA
No. of inputs	1
No. of outputs	2
Connectors type	female screw F type
Dimensions (LxWxH)	mm 72x35x100
Product weight	Kg 0,150

Technical data refer to a temperature of 25 °C

### Example of application



Rev. 0 01.2021

