

Universal multiband amplifier

WWK-861



DIGITAL
DiGiT
TERRESTRIAL

The **WWK-861** multiband amplifier is designed for using in collective antenna systems receiving terrestrial digital TV (DVB-T) programs in detached houses, residences, hotels, holiday centers, schools, hospitals, etc. Even situated in places with difficult reception conditions where received signals have different levels and are coming from different directions. Amplifier designed for receiving these signals, selecting requested channels, equalizing their levels and amplifying them.

The **WWK-861** amplifier can be used:

- as a part of a simple head-end – up to frequency of 860 MHz.
- as an independent unit as a part of a satellite multiswitch systems – as additional signal source of RTV signals to the input of individual multiswitch.

The **WWK-860** multiband amplifier is dedicated for indoor use.

- Designed for RTV collective antenna installations – MATV and SMATV systems.
- Selective amplification of up to 6 UHF signals.
- Automatic detection of antenna preamplifiers connected to UHF1 ÷ UHF3 inputs.
- Ready to digital terrestrial TV transmission – DVB-T.
- Low power consumption.
- Easy installation and adjustment.

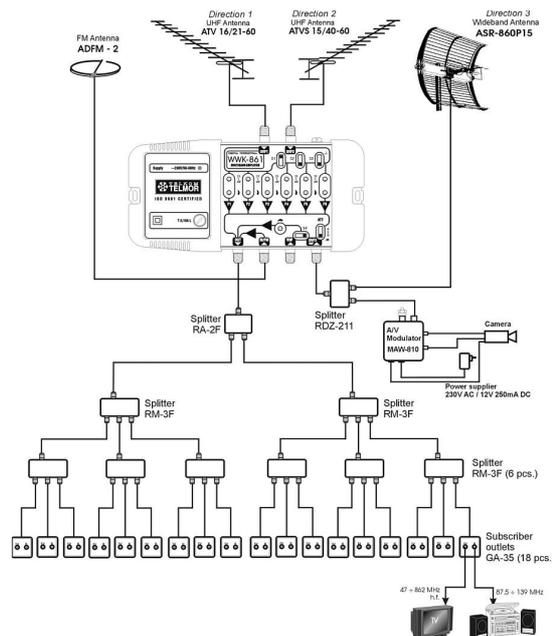
TECHNICAL SPECIFICATIONS

WWK-861		Inputs			
		BI / FM	VHF	UHF1, UHF2	UHF3
Frequency range	MHz	47÷108	174÷260	470÷862 6 tuned channel paths***	470÷862
Gain	dB	24 ±2	35 ±2	45 ±3	31 ±2
Gain regulation	/	-	-20 smooth	-20 smooth	-3, -6 switchable
Selectivity channel paths	dB	-	-	20 ±20MHz	-
Noise figure	dB	3	3	6	13
Max. input signal level*	dBuV	80	80	73	86
Min. input signal level:** - for S/N > 30dB - for S/N > 45dB	dBuV	35 50	35 50	38 53	45 60
Isolation between inputs: - UHF – UHF - BI/FM/VHF – UHF	dB dB	≥ 20 ≥ 30			
Max. output signal level: - for 2 TV channels - for 6 TV channels (DIN 45004B(-60dB))	dBuV dBuV	104 -	108 -	112 107	112 107
Preampifiers power supply	V /mA	-	-	12 / 50 on each of UHF1...UHF3 inputs	12 / 50
Input / output impedance	Ω	75 / 75			
Operating temperature range	K (°C)	263....323 (-10....+50)			
Power supply	V AC / W	230, 50 / 8			
Dimension	mm	225 x 130 x 50			
Weight	kg	0,75			

* **for higher** input signal levels an external attenuator should be used!
 ** **for lower** input signal levels an antenna preamplifier application is recommended!
 *** switch position for possible channel paths assignments to antenna inputs are given in user manual.

APPLICATIONS

EXAMPLE



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