

## WWK MAESTRO

WWK Maestro is a new generation channel amplifier with 4 inputs for UHF, VHF or Combo antennas. UHF and VHF band signals are automatically, selectively tuned and then amplified using 32 digital filters. Filter selectivity is greater than 35dB over a distance of 1 MHz, which in practice means perfect isolation of unwanted signals in the installation under construction.

Thanks to the use of 5G Protected technology, we are guaranteed proper isolation of 5G/LTE/GSM signals even in difficult conditions (close location of the transmitter or the transmitter on the line of signal reception). The device has a built-in solution that improves the quality of low-power signals and enables reception of signals as low as 45dB $\mu$ V.

A state-of-the-art amplifier control system ensures equal output signal level for all programmed channels and the ability to introduce power pre-correction of transmitted frequencies, which nullifies the effect of coaxial cable over longer distances.

The amplifier is controlled only by switching it on.

Scanning takes about 40 sec. After this time, all currently available DVB-T/T2 frequencies will be selected and amplified.



### Main features:

- Maximum output level of 93dB $\mu$ V
- 4 UHF+VHF inputs
- 32 digital channel filters with high selectivity and wide AGC range
- Automatic detection of the right signals
- 5G protected technology
- Compact size and mast housing
- Remote power supply
- Self-contained installation for everyone

### Suggested products for application:

TurboT 40 or 60 - UHF directional antennas, passive

TurboT V3 or V - VHF antennas, passive

Coaxial cable TT 113 - in white version for indoor installation and in black PE version for outdoor installation.

Recommended UHF/VHF/Combo antennas:  
TT 365 5G Protected ; TT W19 Combo Silver;  
TT W21 Combo Gold; Digit passive; ASR passive.

## APPLICATION EXAMPLE - DVB-T2 RECEPTION



VHF - TURBOT V



UHF - TT 365 5G PROTECTED



UHF - TURBOT 60



WWK MAESTRO

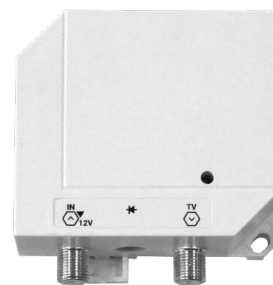


DOMESTIC INSTALLATIONS AND  
SMALL COLLECTIVE

WWK MAESTRO

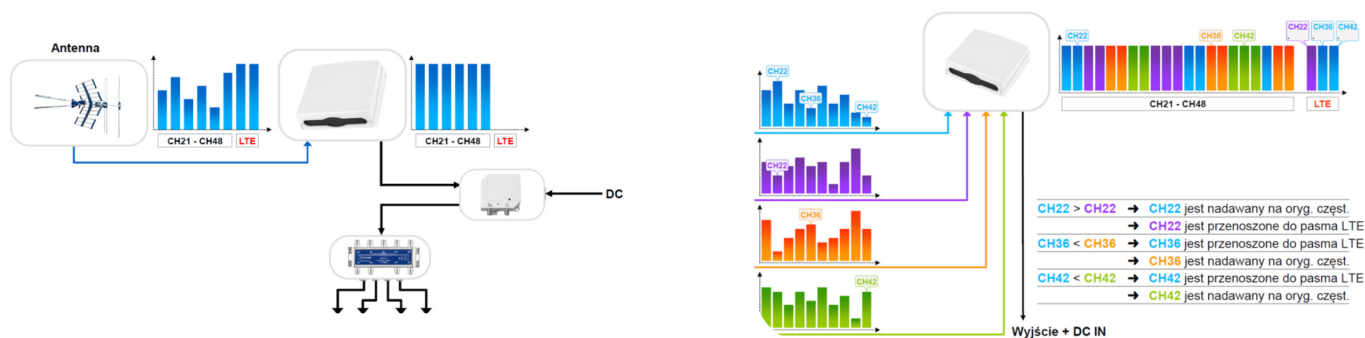


AMPLIFIER WWK MAESTRO



TT PS SAT 12V  
(ORDERED SEPARATELY)

SELF-SCANNING - PRINCIPLE OF OPERATION



SPECIFICATIONS

PARAMETRS	UNITS	WWK MAESTRO	
Frequency of operation	MHz	174 - 230	470 - 694
Gain	dB	12-70 (AGC)	
Gain / output level reg.	dB	none	
Number of filters	/	32	
Selectivity of channel filters	dB	>35	
Separation between inputs	dB	>30	
Return loss - inputs	dB	>10	
Return loss - output	dB	>10	
NF	dB	-	
Input level	dB $\mu$ V	50 - 105	
Min. digital signal input level providing:	dB $\mu$ V	50	
C/N ratio	dB	$\geq 30$	
BERi error rate	/	$\leq 9 \cdot 10^{-5}$	
MER coefficient	dB	$\geq 31$	
Maximum output level (1-32mux)	dB $\mu$ V	93	
Power supply for preamplifiers	V/mA	none	
Operating temperature	$^{\circ}$ C	-20..+50	
Power supply	Vdc/mA	12V/250mA	
Dimensions of the device in the housing	mm	103x97x40	
Net weight	kg	0,3	
Packaging	/	individual carton box / 30pcs collective box	
Index	/	WWZ-0400-030-01	
EAN	/	5903953011138	