

WWK 951+

WWK 951+ is a next-generation channel amplifier with dedicated inputs for 2 UHF antennas, 1 VHF antenna, and 1 FM antenna. Signals from the UHF and VHF bands can be selectively tuned and then amplified using 32 digital filters. The selectivity of the filters is greater than 35dB at a distance of 1 MHz, which in practice means perfect isolation of unwanted signals in the installed system. Thanks to the use of 5G Protected technology, we are guaranteed proper separation of 5G/LTE/GSM signals even in difficult conditions (close proximity to the transmitter or transmitter on the signal reception line). The device has a built-in solution that improves the quality of low-power signals and allows reception of signals from 40dB μ V.

The modern control system of the amplifier ensures the same signal level at the output for all programmed channels and the possibility of introducing power pre-correction of transmitted frequencies, which eliminates the effect of coaxial cable over longer distances. The amplifier is controlled using an external URC-100 programmer, which prevents unauthorized access to settings. The device is also equipped with access lock in the form of a programmable PIN code. With the programmer, we can also download or upload the device configuration.

The auto-scanning function enables quick and efficient installation without the need to program individual filters.



Main features:

- Maximum output level - 112dB μ V (1 mux) / 108dB μ V (6 muxes)
- Dedicated UHF1/UHF2/VHF/FM inputs
- 32 digital channel filters with high selectivity and wide AGC range
- Electronic control via URC-100 programmer
- 5G protected technology
- Compact dimensions
- Low power consumption <11W

Suggested products for use:

- TurboT 20 or 30 - UHF directional antennas, passive
- TurboT V3 or V - VHF antennas, passive
- TT 113 coaxial cable - white version for indoor installation and black PE version for outdoor use
- Compression connectors and IEC connectors
- URC-100 - programmer for TT devices

DVB-T2 reception examples



VHF - TURBOT V



UHF - ASR CLASSIC
5G PROTECTED



UHF - TURBOT 30



WWK 951+



RESIDENTIAL AND COLLECTIVE
INSTALLATIONS

WWK 951+



TECHNICAL SPECIFICATION

Parameters	Units	WWK 951+		
Bandwidth	MHz	87,5 - 108	174 - 230	470 - 694
Gain	dB	30	12-70 (AGC)	
Gain control	dB	20	20	
Slope control	dB	-	0-9	
Number of filters	/	-	32	
Filter selectivity	dB	-	>35	
Isolation between inputs	dB	-	>30	
Inputs return loss	dB	>10	>10	
Outputs return loss	dB	>10	>10	
Noise figure	dB	<9,5	-	
Input level range:	dB μ V	50-100	40 - 100	
Minimum input level for digital signals to reach below parameters:	dB μ V		50	
C/N	dB	/	≥ 30	
BERi	/		$\leq 9*10E-5$	
MER	dB		≥ 31	
Maximum output level (DIN 45004B: -60dBc TERR; -35dBc SAT)	dB μ V	112	112	
Maximum output level (6 muxes)	dB μ V	-	108	
Preamplifiers powering (DC PASS)	V/mA	-	12/50	
Operating temperature	°C		0 ... +50	
Powering	Vac		100 - 240	
Power consumption (max)	W		14	
Dimensions	mm		226x128x51	
Weight - netto	kg		0,7	
Packaging	/		carton box	
Index	/		WWZ-0200-047-01	