

## DVB-T/T2 UHF antenna

### asr Classic 5G Protected



Modern UHF antenna dedicated to receive the signals of the DVB-T2 digital television. The 5G PROTECTED version includes implemented, much expanded band-pass filtration which eliminates the interfering out-of-band signals (LTE 700, 800, CDMA 450, GSM 1800, 5G etc.). The above-mentioned out-of-band signals (particularly those coming from the local modems), may result in overdrive of the preliminary amplifiers and other active components.

By the use of ASR 5G PROTECTED we protect the DVB-T/T2 signal against influence of the signals.

The antenna has a high energy gain and a built-in ultra-low noise preamplifier that can be powered with a wide voltage range of 5-24V. The low level of self-noise of the first amplification stage is very important for obtaining good signal quality (large signal-to-noise ratio).

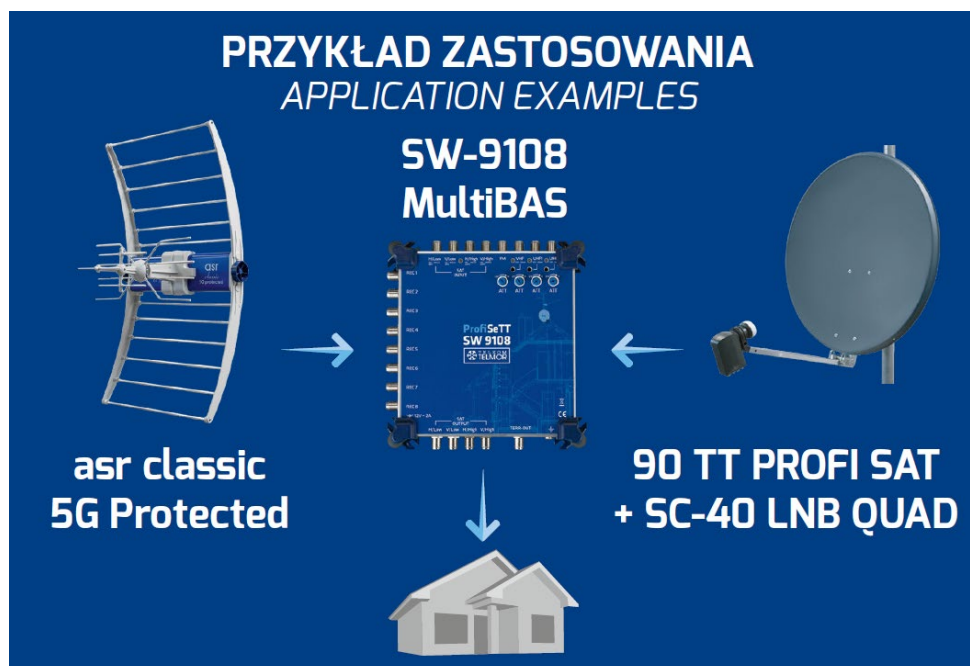
The product is comprehensive. Preparing the antennas for installation requires slightly unscrewing the side knobs and, after opening the "wings" of the car's headlights, tightening them.

- Adapted to receive DVB-T2 digital terrestrial television signals
- Built-in 470-694 MHz band-pass filter
- It can work as passive or active
- Large power gain, and built-in ultra-low noise preamplifier
- Aesthetic and robust design
- Power supply of the preamplifier with DC voltage in the range of 5...24V (with or without power supply included)

## TECHNICAL PARAMETERS

TYPE		asr classic 5G Protected
Frequency range	MHz	470-694
Gain ( max.)	dBi	14
Preamplifier gain max.	dB	22
Attenuation beyond the operating band	dB@MHz	>20/703-800 >25/801-1000 >35/1001-2600
Polarization	/	Horizontal (H)
Half Power Beam Width 3dB (horizontal plane)	°(deg)	40
Radiation ratio front/back	dB	24
Noise ratio	dB	≤4
Maximum TV signal level at the output (DIN)	dBuV	102
Supply voltage / Current consumption	V DC / mA	12..24 / 50 5 / 40
OTHER		
Mast diameter - maximum	mm	25-60
Max. wind load	N	120
Output impedance	Ohm	75
Output connector type	/	„F” socket
Dimensions of unfolded antenna	mm	820 x 455 x 220
Net weight	kg	2,48
Package	/	box
Index	/	F147-6542-078-20 (without PS ZZA7) F147-6542-078-20 (with PS ZZA 7)

*Example of using the ASR CLASSIC 5G PROTECTED antenna for a multi-point installation*



*Technical parameters are subject to change without prior notice.*

[www.telmor.pl](http://www.telmor.pl)