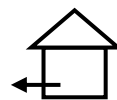


## Modern broadband DVB-T antenna

### asr classic LTE PROTECTED SAW asr LTE PROTECTED SAW



RoHS



- Adapted to receive the signals of digital terrestrial television DVB-T
- Includes band stop filter (SAW) 791-862MHz
- Has very large antenna power gain, and built -in **ultra-low-noise preamplifier**
- Aesthetic and resistant structure
- Powering the preamplifier with a direct current in the range of 5...24V (in a set with a 12V power pack with a power supply branching filter ZZA-7)

Modern broadband antenna dedicated to receive the signals of the digital television DVB-T. The LTE PROTECTED version includes implemented, much expanded band-pass filtration, which eliminates the interfering out-of-band signals (LTE 800, CDMA 450, GSM 1800 etc.). The above-mentioned out-of-band signals (particularly those coming from the local modems), may result in over steering of the preliminary amplifiers and other active components. By the use of ASR LTE PROTECTED antenna we protect the DVB-T signal against influence of those signals.

This antenna has got a large antenna power gain and built-in ultra-low-noise preamplifier that may be powered by means of voltage of the broad range 5-24V. Low level of internal noises of the first stage of gain is very essential for acquisition of a very good quality signal (large gap between the signal/noise).

The product is assembled. Preparation of the antenna to installation only requires slight turning of the side knobs and after having spread „the wings” of reflectors, retightening them.

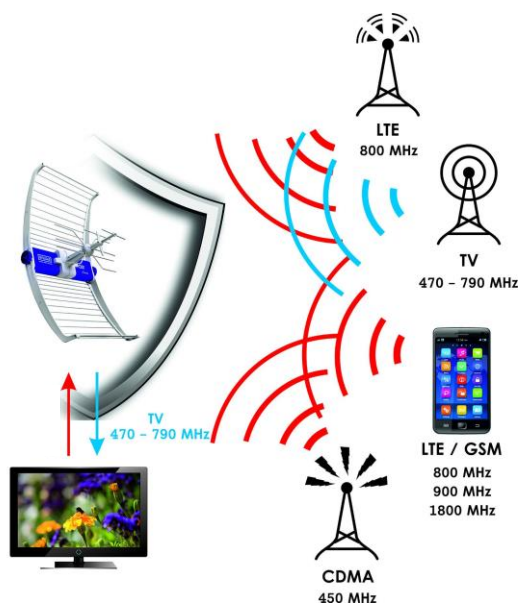
This antenna also receives signals from the VHF band, which is intended for the requirements of the diffusion of the digital radio signal DAB in the future. Hence it will be possible to receive the DAB signal without the necessity to assemble additional antenna.

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

## TECHNICAL PARAMETRES

TYPE		asr LTE PROTECTED SAW technology	asr classic LTE PROTECTED SAW technology
Receive frequency range	MHz	470-790	
Gain	dB@MHz	14@470-782	
Amplification in the operating band	dB@MHz	-	19+/-3
Attenuation beyond the operating band (filter+amplifier)	dB@MHz	-26@800	-7@800
Polarization	/	Horizontal (H)	
Beam aperture 3dB (horizontal plane)	°(deg)	40	
Radiation ratio – front / back	dB	24	
Noise factor	dB	/	≤3.5
Maximum level of TV signal on the output (DIN)	dBuV	/	100*
Power supply / power consumption	V / mA	/	+5..+24 / 38+/-3
<b>OTHER</b>			
Mast diameter – maximum	mm	25-60	
Max. wind load	N	120	
Output impedance	Ohm	75	
Type of the output connector	/	"F" socket	
Dimensions of the assembled antenna	mm	820 x 455 x 220	
Standard accessories	/	"F" connector x 1 pc., „IEC" x 1 pc.	"F" connector " x 1 pc., branching filter ZZA-7 with a power pack ~230V

## APPLICATION EXAMPLE



*The technical parameters may be subject to change with no prior notification.*

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