

CASCADE AND END MULTISWITCHES

PREMU TT-9/xx



PREMU TT-9/xx Multiswitches is a brand new generation of cascade and end multiswitches, designed by TELKOM-TELMOR engineers and produced in Poland. PREMUM TT-9/xx family enables creating multistage multiswitch cascades. Works perfectly in large-scale RTV/SAT installations and collective installations, where it is necessary to distribute signal to multiple subscribers

PREMU TT-9xx enables to IF signal distribution to 8, 16, 24 and 32 outputs. In addition to IF signal, RTV signal is also distributed.

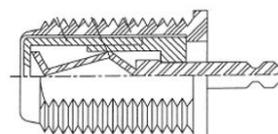
Advantages of PREMUM family are very large isolation between satellite outputs (35dB), ability to switch between active and passive DVB-T band modes and low attenuation in SAT path, which is crucial to ensure appropriate signal level in extended, multi-cascade installations.

Thanks to the highest quality components, used in PREMUM family Multiswitches, they are covered by a 3-year warranty.

In multiswitch installations, apart from the equipment itself, the reliability of connection plays an important role. Special construction of connectors used in PREMUM multiswitches ensures save and durable link even if connected multiple times with different internal conductor thickness cables. In addition, the sockets are equipped with a spring that signals the proper connection with a distinctive click.



- Output characteristic like a dream (built in cable pre-correction)
- Very large isolation between paths (35 dB)!
- **Polish construction and production**
- Signal reception from two satellites eg. ASTRA and HotBird
- Very low attenuation in SAT path
- Perfect connection with network - thanks to connectors equipped with springs
- 3-year warranty
- Built-in improved cable characteristics pre-correction
- Terrestrial band switch



connectors
cross-section

TECHNICAL PARAMETERS

CASCADE Multiswitches		TT-9/8	TT-9/16	TT-9/24	TT-9/32
Frequency range SAT	MHz	950-2150			
Frequency range TERR	MHz	47-862			
Number of inputs TERR	/	1			
Number of inputs SAT	/	8			
Number of outputs	/	8	16	24	32
Attenuation TERR output (active path)	dB	-7...0		-11...-3	
Attenuation TERR output (passive path)	dB	-30...-23		-36...-29	
Pass through attenuation TERR	dB	-4,5			
Attenuation SAT output	dB	-2...+7		-3,5...+7	
Pass through attenuation SAT	dB	-3,5...-1		-5...-2	-6,5...-2,5
Return loss TERR IN /OUT	dB	12		10	
Return loss SAT IN/OUT	dB	12		10	
Max. output level TERR	dB μ V	95/ 170-862, 90/ 47-170		90/170-862, 87/47-170	
Max. output level SAT	dB μ V	98			
Isolation TERR to SAT	dB	\geq 30			
Isolation SAT to TERR	dB	\geq 45			
Isolation cross polarization H/V	dB	35			
Power supply	V _{DC} /mA	13/160			
Energy consumption (max)	mA	50			
Switching commands	/	DiSEqC 1.0 (13V/18V, 0/22kHz tone)			
Dimensions	mm	215x193x51	215x193x51	215x261x51	215x330x51
Weight	kg	0,7	0,7	1,1	1,1
Package	/	box	box	box	box

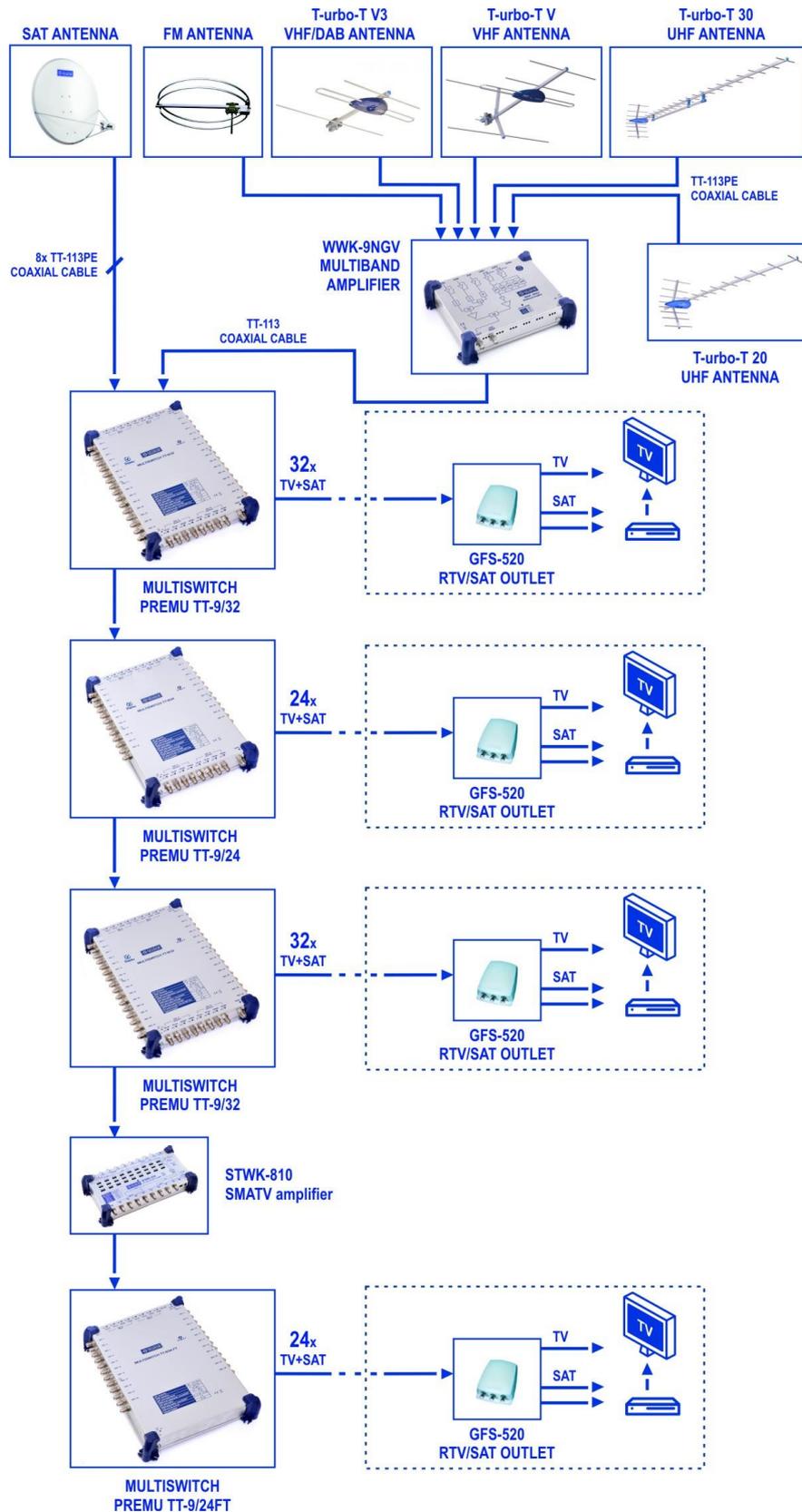
END Multiswitches		TT-9/8 FT	TT-9/16 FT	TT-9/24 FT	TT-9/32 FT
Frequency range SAT	MHz	950-2150			
Frequency range TERR	MHz	47-862			
Number of inputs TERR	/	1			
Number of inputs SAT	/	8			
Number of outputs	/	8	16	24	32
Attenuation TERR output (active path)	dB	-7...0		-11...-3	
Attenuation TERR output (passive path)	dB	-30...-23		-36...-29	
Attenuation SAT output	dB	-2...+7		-3,5...+7	
Return loss TERR IN /OUT	dB	12		10	
Return loss SAT IN/OUT	dB	12		10	
Max. output level TERR	dB μ V	95/ 170-862, 90/47-170		90/170-862, 87/47-170	
Max. output level SAT	dB μ V	98			
Isolation TERR to SAT	dB	\geq 30			
Isolation SAT to TERR	dB	\geq 45			
Isolation cross polarization H/V	dB	35			
Power supply	V _{DC} /mA	13/160			
Energy consumption (max)	mA	50			
Switching commands	/	DiSEqC 1.0 (13V/18V, 0/22kHz tone)			
Dimensions	mm	215x193x51	215x193x51	215x261x51	215x330x51
Weight	kg	0,7	0,7	1,1	1,1
Package	/	box	box	box	box

NOTE:

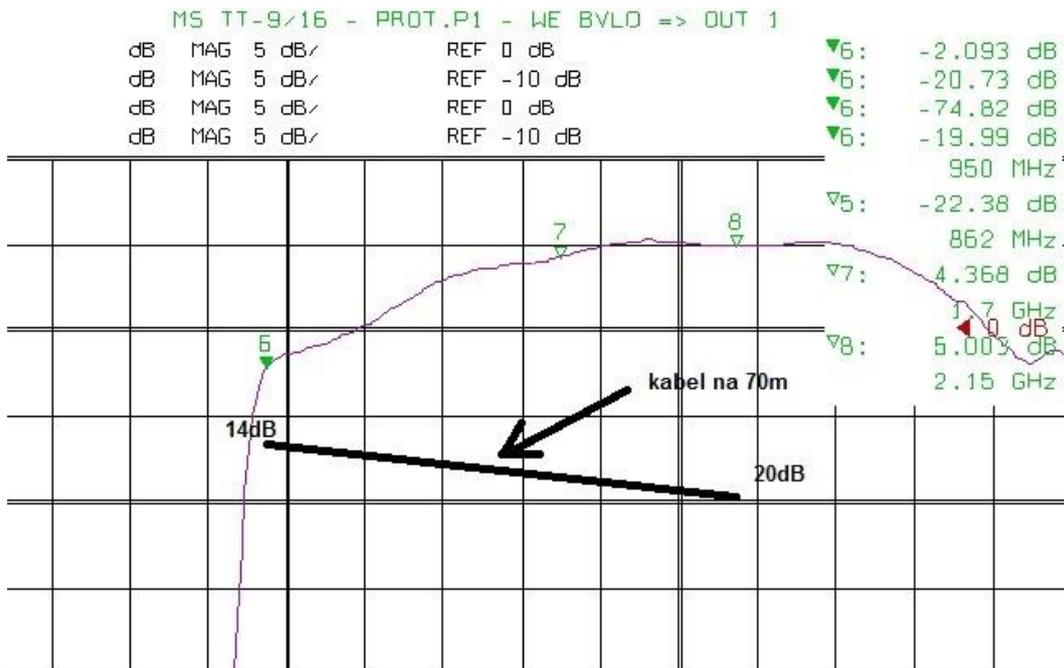
- „-“ refers to attenuation
- „+“ refers to amplification

www.telmor.pl

Application example



Antenna radiation pattern



Technical parameters may be subject to change without prior notice.

www.telmor.pl