TECHNICAL CHARACTERISTICS

Type			MR524	MR532
Number of outputs			24	32
Frequency range	SAT IF		950-2400 MHz	
	Terr. TV		47-790 MHz	
Gain (fixed slope pre-correction)	SAT IF	outputs 1-8	-3 ÷ 5 dB	
		outputs 9-16	-4 ÷ 3 dB	
		outputs 17-24	-5 ÷ 1 dB	
		outputs 25-32	-	-6 ÷ -1 dB
	Terr. TV	outputs 1-8	-2 ÷ 3 dB	
		outputs 9-16	-4 ÷ 1 dB	
		outputs 17-24	-5 ÷ 0 dB	
		outputs 25-32	-	-6 ÷ -2 dB
Gain adjustment Terr. TV			15 dB by 1 dB step	
Output level for SAT IF (IMD3=35 dB)*			96 dBμV	
Output level for Terr. TV (IMD3=60 dB)*		outputs 1-8	86 dBμV	
		outputs 9-16	84 dBμV	
		outputs 17-24	82 dBμV	
		outputs 25-32	-	80 dBμV
SAT inputs decoupling			≥ 30 dB	
Outputs decoupling	SAT IF		≥ 30 dB	
	Terr. TV		≥ 35 dB	
Rejection	Terr. TV/SAT		≥ 30 dB	
	SAT/Terr. TV		≥ 40 dB	
Supply voltage through RF inputs			H/Lo, H/Hi - 18 V; V/Lo, V/Hi - 14 V; Terr. TV - 12 V	
DC output current through RF inputs	+18V &+14V &+12V		≤ 0.65 A	
	+14V &+12V		≤ 0.5 A	
	+12V		≤ 100 mA	
Current consumption from receiver			< 65 mA	
Control signals			14/18 V, 0/22 kHz	
Power consumption**			230 V~ 50/60 Hz 3 W	
Operating temperature range			-20° ÷ + 50° C	
Dimensions/Weight (packed)			293x135x52 mm/1.7 kg	333x135x52 mm/2.1 kg

* 2 equal carriers

** without external DC load; with maximal load 17 W

TERRA

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MULTISWITCHES MR524, MR532

МЛ 05

PRODUCT DESCRIPTION

Multiswitches are designed for use in small and medium size SAT and terrestrial TV distribution systems. The multiswitches ensure an independent access of every subscriber to any SAT IF or terrestrial line.

The multiswitches are intended for indoor use only.

RoHS compliant.

SAFETY INSTRUCTIONS

Installation of the multiswitches must be done according EN60728-11 and local safety standards by qualified personnel.

The multiswitch is powered from mains 230 V~. This voltage is dangerous to life.

Any repairs must be done by a qualified personnel.

The multiswitch is double isolated from the mains 230 V~.

Do not remove the cover of the power supply section, without isolating the unit from the mains supply.

Do not plug the multiswitch into the mains supply if the power cord or plug is damaged.

Do not plug the multiswitch into the mains supply until all cables have been connected correctly.

To disconnect the multiswitch, disconnect plug from mains socket.

The mains socket must be easily accessible.

When multiswitch is disconnected from mains, powering indicator does not glow.

The multiswitch shall not be exposed to dripping or splashing water and no objects filled with liquids, such as vases, shall be placed on it.

Avoid placing multiswitch next to central heating components and in areas of high humidity.

No naked flame sources, such as lighted candles, should be placed on multiswitch.

If the multiswitch has been kept in cold conditions for a long time, keep it in a warm room no less than 2 hours before plugging into the mains.

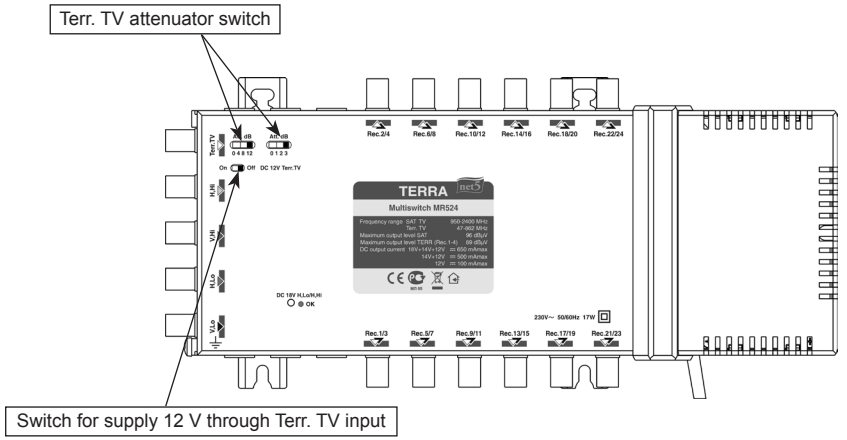
The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains.

Mount the multiswitch in vertical position with RF input connectors on the left side.

From top, front and bottom of installed multiswitch must be at least 10 cm free space.

This product complies with the relevant clauses of the European Directive 2002/96/EC. The unit must be recycled or discarded according to applicable local and national regulations.

EXTERNAL VIEW



OPERATING

Terrestrial TV input line has two four positions attenuator with 0, 4, 8, 12 dB and 0, 1, 2, 3 dB values. Total attenuation value is the sum of attenuation values of each separate attenuator. For example: first attenuator set to 4 dB, second to 1 dB. Total attenuation will be 5 dB.

Access to SAT TV lines is controlled by 14/18 V and 0/22 kHz signals, which come from subscriber's receiver through RF cable. SAT TV circuits of the multiswitch are powered from receivers and do not need any extra power supply.

Power supply unit of multiswitch is intended for supplying voltage for own terrestrial TV amplifier and for powering LNB:

18 V through H,Lo, H,Hi inputs;

14 V through V,Lo, V,Hi inputs;

12 V through Terr. TV input for preamplifiers. This voltage can be turned off by a switch, in the case if preamplifier is not used.

To improve the isolation put 75 Ω terminations with DC blocking on idle connectors if they are.