

T5/10PNP-3
T4/8PNN-3

T5/10PCA-3
T4/8PCN-3



Dear Customer,

congratulations on the purchase of the EMP-Centauri product. Before its installation and putting into operation, read carefully the entire operation manual. Keep the purchase and rework (if any) records for future need.

1) Field of Application, Warranty

The product is designed for the distribution of satellite (SAT) and terrestrial (TERR), TV and radio signals. EMP-Centauri's PROFI CLASS products are covered under 6 (six) years warranty from the date of purchase. The warranty shall not apply to the product used for other than the specified purpose. The user will be responsible for injury or material damage which may arise in consequence of any product use in contradiction with the manual. Repairs or any interventions in the product may be performed only by EMP-Centauri company, or other companies authorized by EMP-Centauri.

2) Technical Specifications

T5/10PNP-3 is a passive splitter for 4 SAT IF + 1 terr. coaxial leads.

T5/10PCA-3 is an active splitter for 4 SAT IF + 1 terr. coaxial leads.

T4/8PNN-3 is a passive splitter for 4 SAT IF coaxial leads.

T4/8PCN-3 is an active splitter for 4 SAT IF coaxial leads.

Satellite lines pass through DC from straight outputs to inputs. Side outputs and terrestrial line (if exists) is DC blocked.

Splitters are mechanically designed to allow stacking into a compact multi-satellite splitting block.

Specifications	T5/10PNP-3	T5/10PCA-3	T4/8PNN-3	T4/8PCN-3
Number of Inputs	5		4	
Number of Outputs	10		8	
Frequency Range	TERR 5–862 MHz	TERR 48–862 MHz	—	
	SAT 950–2300 MHz			
Insertion Loss (avg)	TERR / SAT 5 dB	TERR / SAT 0 dB	SAT 5 dB	SAT 0 dB
Isolation SAT (min)	35 dB (between SAT splitters), 13 dB (between outputs of any SAT splitter)			
Isolation outputs TERR (min)	10 dB	6 dB	—	
Maximum signal level*	—	95 dBuV	—	95 dBuV
Current consumption (from coaxial cables, total)	—	100 mA	—	40 mA

Specifications	T5/10PNP-3	T5/10PCA-3	T4/8PNN-3	T4/8PCN-3
Dimensions (w,d,h)	12.7 x 10.4 x 4.1 cm			
Temperature Range	-30 – +70 °C			

* TERR: EN 50083-3/60dB IMA3 [dBuV]; SAT: EN 50083-3/35dB IMA3 [dBuV]

3) Product Takeover

Make sure that the product is not damaged. Please contact your dealer in the case of damage.

4) Product Storing and Installation

We recommend the device to be installed and serviced by the qualified technician.

The product must not be stored and installed

- in the place with excessive humidity
- in the place with excessive dust pollution, mechanical vibrations or impacts
- in the place out of temperature limits specified in the section 2) Technical Specifications
- close to heat sources (radiators or air ventilators, direct sunshine etc.)
- in the reach of children.

Do not expose the apparatus to dripping or splashing. Use the apparatus only in moderate climates (not in tropical climate).

Fix the product firmly on a wall or another hard and inflammable surface with screws and dowels.

- The product shall be in no case held only by the connected cables.
- Do not cover the product (with curtains etc.).
- Do not place any containers with liquids (vases, glasses etc.) or naked flame sources (lighted candle etc.) on the product or near the product.

5) Product connection

Connect the product in accordance with this manual and valid regulation in your country. Use high quality 75 Ω coaxial cable designed for satellite reception. Mount the F connectors (screw, crimp or compress type) on the ends of coaxial cables. Connect the F connectors into the F sockets of product and fasten them with an appropriate force. The coaxial cables shall not be broken, the minimum bending radius should be 5 cm.

Where appropriate it is possible to use quick Fm–Fm adaptors instead of cables.

- Connect F sockets marked SAT IN (possibly TERR IN) to Quattro / Quad LNB (terrestrial antenna) or to F sockets marked SAT OUT (TERR OUT) of preceding distribution unit.
- Connect F sockets marked SAT OUT (possibly TERR OUT) to input F sockets of multiswitch or other distribution unit.

Note: If needed, DC supply for LNB must be provided at straight outputs.

The wiring examples are shown in the section 9) Wiring Diagrams or at www.emp-centauri.eu.



6) Safety

Due to security reasons the product and wiring in which the product is connected, must be grounded properly. Make sure the antennas are grounded properly. Connect all devices to power grid only after all connections are finished and checked. Never work on the wiring (including satellite and terrestrial receivers, TVs) during or before a storm. A lightning stroke into the antenna may cause dangerous overvoltage in the product metallic parts. The product should be disconnected from the wiring immediately if it gets into contact with liquids (dropping water, spilled drinks etc.).

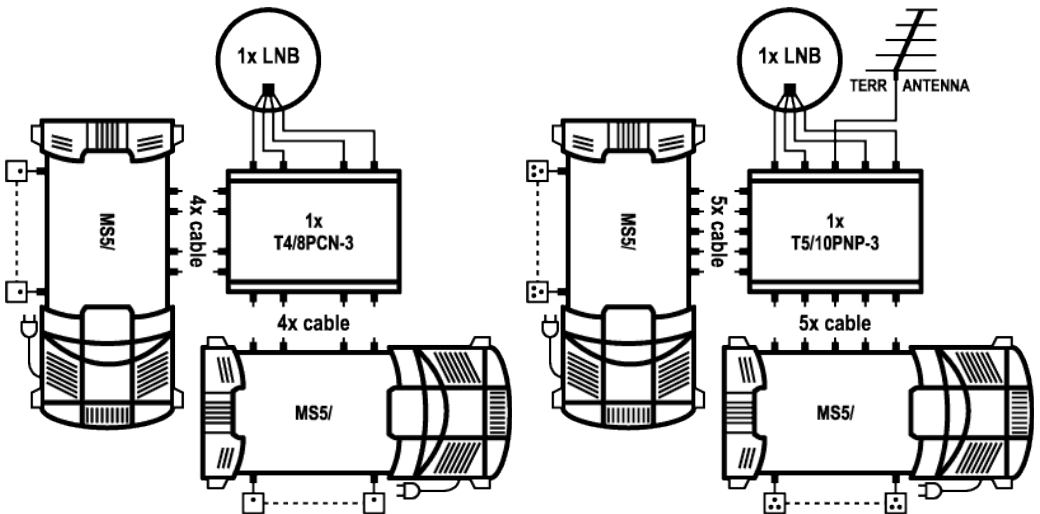
7) Product Maintenance

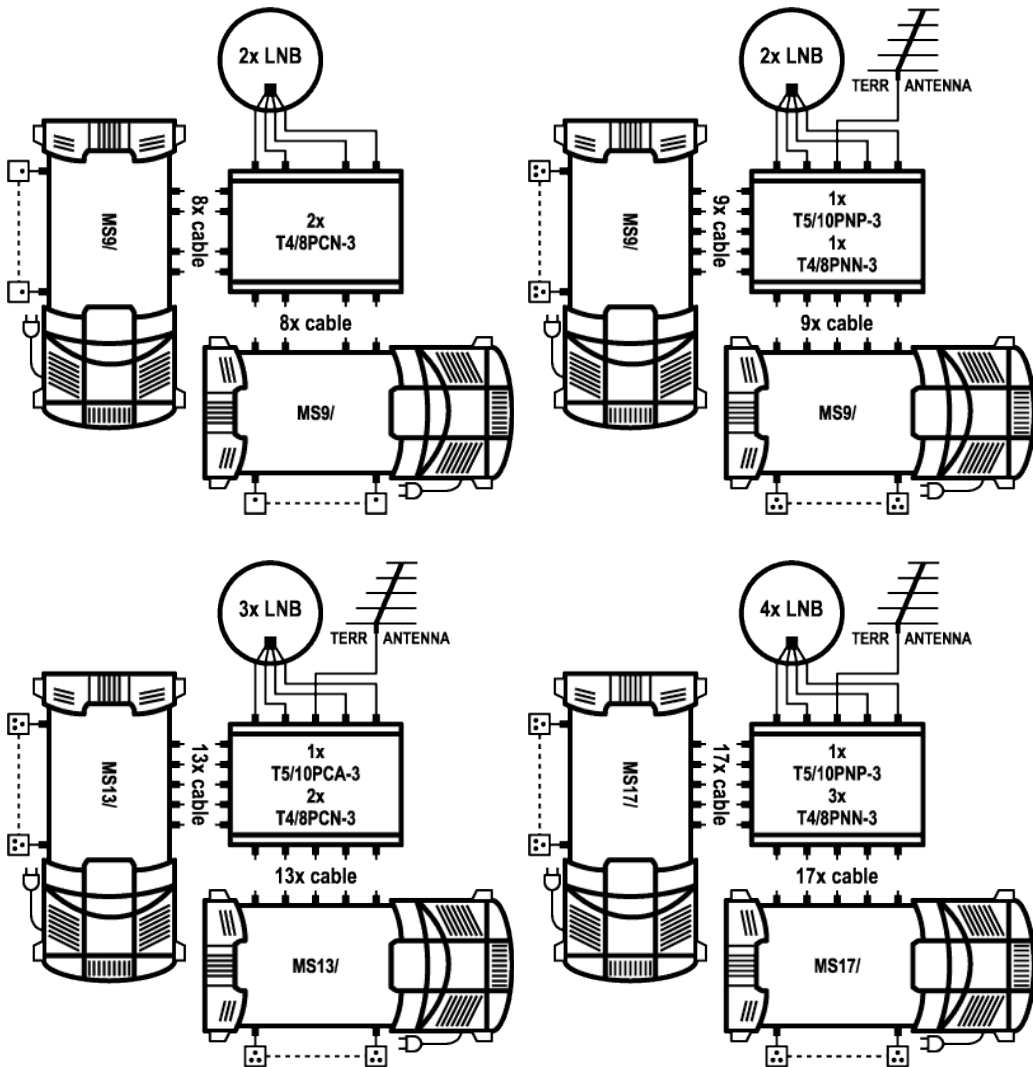
To clean the splitter, use a dry cloth without liquid detergents.

8) Symbols Explanation

	certificate of conformity
	According to EU directive, electric and electronic devices which are identified by one of the following symbols must not be disposed of together with municipal waste. When disposing of the old device, use local waste collection and separation systems.

9) Wiring Diagrams





10) Contact

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