

# Instruction Manual

## NT13

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 and terrestrial signals, as well as data transmissions between EMP-Centauri NET CLASS devices. Its purpose is to allow connecting of multiple user to the common antenna, while at the same time providing them internet connectivity over the same coaxial network. EMP-Centauri's NET CLASS products are covered under 4 (four) years warranty from the date of purchase, see details in EMP-Centauri General trade conditions, published at manufacturer's website [www.emp-centauri.cz](http://www.emp-centauri.cz).

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

The data-terminal NT13 allows to connect a TV or set-top-box with satellite and terrestrial tuner (UHF band) to home coaxial network. In addition, the wall socket features one data port (RJ45) for connection of any LAN device with interface Ethernet 10BASE-T (according to IEEE 802.3i) or Fast Ethernet 100BASE-TX (IEEE 802.3u). The data-terminal is remotely powered from central NET CLASS device.

Specifications	NT13
Ports	SAT, TERR (UHF), 1x RJ45
Frequency Range	TERR 470–862 MHz, SAT 950–2150 MHz
Insertion Loss	2 dB TERR, 2 dB SAT

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Data connectivity	10BASE-T (10 Mbit/s), 100BASE-TX (100 Mbit/s)
Current Consumption	50 mA / 12V (during established ethernet link)
Dimensions (w,d,h)	5.4 x 6.0 x 3.2 cm
Frequency Range	-25 – +60 °C

### 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 dropping or splashing water,
- 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.

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, or to DIN rail using provided plastic holders.

**The product shall be in no case held only by the connected cables.**

- Ensure the free space for the air circulation (space on sides and bellow the product should be at least 10 cm and the space over its top at least 20 cm).
- Do not cover the product (with curtains etc.).

## 5) Product Connection

Connect the product in accordance with this manual and valid regulation in your country. Use high quality 75  $\Omega$  coaxial cable designed for satellite reception. The coaxial cables shall not be broken, the minimum bending radius should be 5 cm. 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.

- Connect F-socket "SAT" to satellite Receiver
- Connect F-socket "UHF" to terrestrial Receiver
- Connect RJ45 Port "LAN" to other ethernet device (ethernet switch, WiFi router, smart TV)
- Connect F-socket "MULTISWITCH" to a NET-CLASS central device

## 6) Product Settings

The product has no setting options.

## 7) Safety

Due to security reasons the product and wiring in which the product is connected, must be grounded properly. Use the terminal identified with the appropriate symbol to ground the product. Make sure the antennas are properly protected against lightning.

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.).

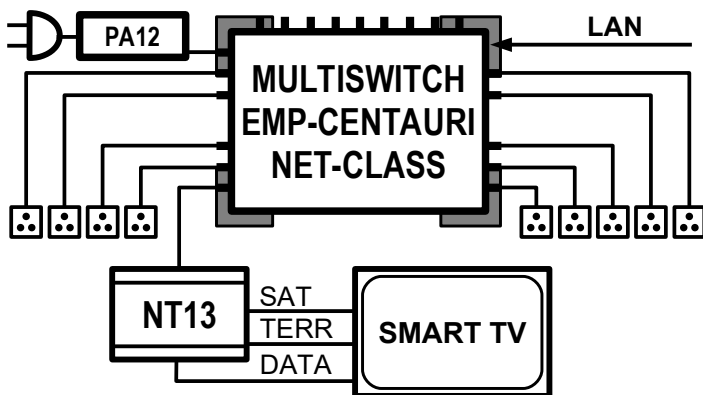
## 8) Product Maintenance

The product requires no special maintenance. Use only dry cloth to clean the product and do not use any liquid agents.

## 9) Symbols Explanation

	certificate of conformity		Indoor use only
	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.		

## 10) Wiring Diagrams



Visit manufacturer's website for more wiring examples.

## 11) Contact

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