

# User Manual

## **DIGITENNE TT4**

Universal room omni-directional DVB-T2 active antenna.



**TechniSat**

## 1 Foreword

This manual will help you to use your device, hereinafter referred to as DIGITENNE TT4, antenna, device or product, safely and as intended.

### 1.1 Target group of instructions

The instruction manual is intended for any person who is involved in setting up, operating, cleaning or disposing of the device.

#### 1.1.1 Purpose of the device

The device is designed to receive digital television programs broadcast in the VHF and UHF bands.

### 1.2 Important notes

In order to minimize safety hazards, avoid damage to the device and contribute to environmental protection, please observe the following instructions. Please read all safety instructions carefully and keep them for future reference. Always follow all warnings and cautions in this manual and on the device



Caution - Indicates an important guideline to be followed to avoid loss of health, defects in the device, loss/misuse of data or unintended operation.



Note - Indicates a note on the function described and the related and possibly other function to be followed with reference to the relevant point in the manual.

#### 1.2.1 Security

For your own protection, please read the safety precautions carefully before connecting the product. The manufacturer is not responsible for damage caused by improper operation and failure to observe the following safety precautions.



Never open the device and the power supply unit! Touching live parts is life-threatening!



Any necessary interventions must be carried out only by trained personnel.



The device can only be operated in temperate climates.



Before installation and use, check the power supply or any of its components for damage. Do not use a damaged power supply.



#### **Danger of suffocation!**

The device is not a toy. Keep the device, its accessories and packaging out of the reach of children. Cables and foil packaging can wrap around a child's neck or be swallowed, and this can result in choking or suffocation.

**Attention!**

The device can only be connected to a mains supply of 100-240 V, ~50/60 Hz. Never try to use the device to operate at any other voltage.

- The antenna is designed for indoor use.
- In case of a noticeable malfunction of the device, the appearance of odors or smoke, serious malfunctions, damage to the housing, turn off the device and contact the service center.
- Please follow the operating instructions.
- Please place the antenna on a stable surface to avoid damage and falling.
- For good reception, position the antenna at the window in the direction of the transmitter.
- Check the antenna or its components regularly for damage.
- If the unit's power cord is damaged or if the unit is otherwise damaged, do not operate the unit.
- When unplugging the power supply from the outlet, do not pull on the cable.
- To avoid the risk of fire and electric shock, do not expose the power supply to rain or moisture.
- Do not use the power supply near bathtubs, pools or water.
- The power supply is intended for indoor use only.
- Avoid mounting the antenna in the immediate vicinity of equipment and structures that may cause interference, such as microwave ovens, cell phones and other wireless communication devices, electrical installations, high-powered electric motors, large steel surfaces.
- Do not place sources of open flame, such as burning candles, near the power supply.
- Do not cover the power supply unit. Be sure to provide it with adequate ventilation.
- If the power supply comes into contact with water, immediately disconnect it from the power source.
- Do not touch the power supply, separator cable or power cord with wet or damp hands.

- Do not reuse damaged equipment or damaged accessories.
- Do not turn on the device in places where the use of electronic devices is prohibited, or where it may cause interference or other hazards. Comply with all kinds of prohibitions, regulations and warnings given by personnel of the place where you want to use the device.
- When the power adapter is not used for a long time, unplug it from the power outlet by holding the case, not the power cord.
- For pluggable devices, the connection socket should be mounted close to the device and should be easily accessible.
- For permanently connected devices, an easily accessible disconnecting device should be mounted on the outside of the device.
- Unplug the power supply from the power outlet before cleaning.
- Clean the power supply with a dry, soft cloth or brush. Do not use scouring powders, strong detergents, alcohol or solvents for cleaning.
- This device is not intended for use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and/or knowledge unless they are supervised by a person responsible for their safety or have received instructions from that person on how to use the device.
- Route the power cable and the antenna cable so you can't trip over it.

### 1.2.2 Disposal



#### Disposal instructions

Your new device was protected by packaging on its way to you. All materials used are environmentally friendly and recyclable. Please help us to dispose of the packaging in an environmentally friendly way. For information on current disposal methods, please contact your dealer or local waste disposal facility.



Danger of suffocation! Packaging parts should not be left with children. Risk of suffocation due to foil and other packaging materials.



This device has been designed and manufactured with high-quality materials and components that are recyclable. The symbol of the crossed-out wheeled waste container indicates that the product is subject to selective

collection in accordance with Directive 2012/19/EU of the European Parliament and of the Council and in accordance with Directive 2006/66/EC of the European Parliament and of the Council and informs that electrical and electronic equipment, as well as batteries and accumulators, after their useful life, must not be disposed of with other household waste. The user is obliged to return it to an entity that collects waste electrical equipment

and electronic equipment, as well as batteries and accumulators that form a collection system for such waste, including to an appropriate store, local collection point or municipal unit. Waste equipment can have harmful effects on the environment and human health due to the potential content of hazardous substances, mixtures and components. The household fulfills an important role in contributing to the reuse and recovery, including recycling, of waste equipment. At this stage, attitudes are formed that influence on preserving the common good, which is a clean environment. Households are also one of the largest users of small equipment, and rational management of this equipment affects the recovery of recyclable materials. In case of improper disposal of this product, penalties may be imposed in accordance with national legislation.

### 1.2.3 Legal information



TechniSat Digital Ltd. hereby declares that the radio device type DIGITENNE TT4 (76-5044-00) is in compliance with Directive 2014/53/EC and RoHS 2011/65/EU. The full text of the EU declaration of conformity is available at the following web address: [hGp://konf.tsat.de/?ID=24705](http://konf.tsat.de/?ID=24705)



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TechniSat is not responsible for damage to the product caused by external factors, wear and tear or improper handling, unauthorized repairs, modifications or accidents.

### 1.2.4 Service tips and warranty



This product is quality tested and has a statutory warranty period of 24 months from the date of purchase. Please keep the invoice As proof of purchase. For warranty claims, please contact the product seller or manufacturer.



In case of questions and information, or if you have a problem with this device, our technical hotline is available: Monday. - to Friday, from 8:00 am to 4:00 pm at +71 310 41 48.



The guarantor, within the scope of the guarantee, undertakes to remove at its own expense any defects in the product. Removal of defects will be carried out by replacing the defective product with a new, defect-free one or repairing.



In order to exercise the warranty, the purchaser must report the defective product at the point of sale where the product was purchased and deliver the defective product there. The product should be delivered complete.



The warranty does not cover product defects caused by the purchaser or resulting from:

- Using or installing the product in a manner inconsistent with the instructions for use,
- Improper storage or maintenance of the device,
- repairs or alterations of the product performed by unauthorized persons,
- ingress of fluids or foreign bodies,
- lightning and power line surges.



The provisions of the warranty do not exclude, limit or suspend the rights of purchasers (consumers) under generally applicable laws.



Obtaining detailed information about the Product, including the rules and procedures of the warranty procedure, assigning an RMA number, is possible

by phone 71 310 41 48 or email [serwis@technisat.com](mailto:serwis@technisat.com), weekdays, 8:00 a.m. to 4:00 p.m. **Online service requests: [www.serwis.technisat.com](http://www.serwis.technisat.com)**

## 2 Description of the DIGITENNE TT4 device

### 2.1 Kit contents

Before commissioning, please check that the scope of delivery is complete:

- 1x DIGITENNE TT4 room antenna
- 1x Power adapter
- 5V/550mA 1x User manual

### 2.2 Special features of the DIGITENNE TT4

DIGITENNE TT4 antenna is a universal antenna for receiving DVB-T, DVB-T2 TV programs has the following advantages:

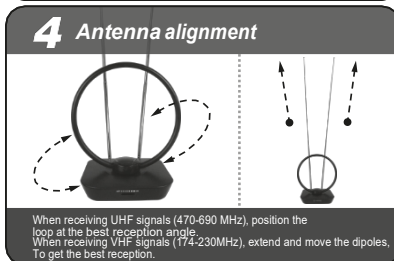
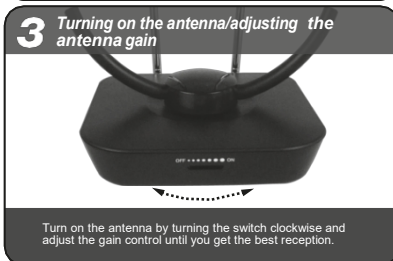
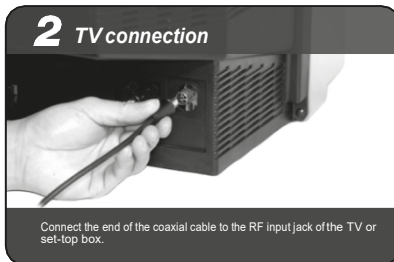
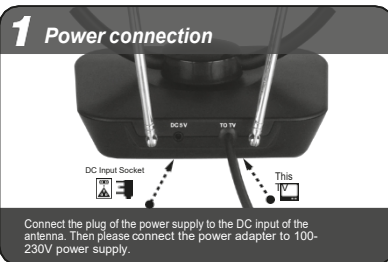
- Built-in LTE/5G filter.
- Small size and weight which allows installation in many places.
- Broadband amplifier with gain control for best video and audio reception.
- Reception of programs from the VHF + UHF band.

### 2.3 Connecting the antenna



#### NOTE

Before installation, read the instruction manual, especially the section on safety.



### 3 Cleaning

-  Do not clean the device with a wet cloth or under running water.
-  Disconnect the power before cleaning!
-  Do not use sponges, cleaning powders or solvents such as alcohol or gasoline.
-  If necessary, use a cotton cloth with small amounts of a water-based, alkali-free soap solution. Rub the surface gently with a cotton cloth.

### 4 Specification

|                                                           |                                  |
|-----------------------------------------------------------|----------------------------------|
| Antenna dimensions (without extended dipoles) (W x D x H) | 200 mm x 140 mm x 50 mm          |
| Weight of neGo                                            | 400 g                            |
| Reinforcement                                             | 15-18dB (VHF-UHF)                |
| Maximum range                                             | Up to 25 km from the transmitter |
| Reception frequency range                                 | VHF 174-230 MHz, UHF 470-694 MHz |
| Maximum output level                                      | 95 dBuV                          |
| Output impedance                                          | 75 Ohms                          |

### 5 Manufacturer

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## 6 Technical parameters of the power supply used

|                                        |                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer                           | Guangdong Huasheng Electronic Technology Co., Ltd<br>Address: 118# Dongyuan Road, Shipai Town, Dongguan City, Guangdong Province |
| Model                                  | HS0500550V                                                                                                                       |
| Input voltage                          | AC 100-240V, 0.15 A Max.                                                                                                         |
| Input frequency                        | ~50/60Hz                                                                                                                         |
| Output voltage                         | DC 5V                                                                                                                            |
| Output current                         | 550 mA                                                                                                                           |
| Output power                           | 2,75 W                                                                                                                           |
| Average efficiency during operation    | 73,95 %                                                                                                                          |
| Power consumption in no-load condition | 0,05W                                                                                                                            |