User Manual

TV Antenna
InHome 95

DEXP

Dear Customer,

Thank you for choosing our products.
We are pleased to offer you products and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the product, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The TV antenna is a device designed to receive analog and digital TV signals.

Safety Precautions

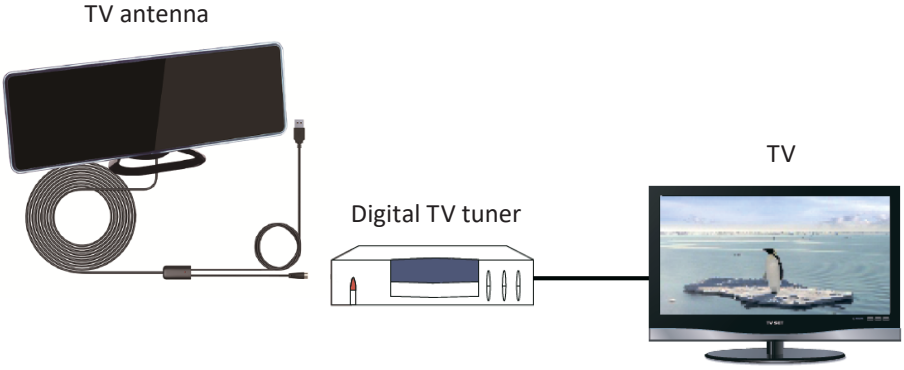
- Before connecting the antenna to a TV or other device, disconnect those devices from the power supply.
- To avoid the risk of fire or electric shock, protect the antenna from liquids entering its housing. Do not immerse the device housing in water.
- Do not pull or move the device by its cable. Do not bend the power cable or wrap it around the device, and keep it away from hot surfaces.
- Do not place foreign objects on the device housing.
- Keep the device away from open flame.
- After prolonged exposure to cold, allow the device to sit at room temperature for one hour before turning it on.
- Disconnect the antenna from the power supply if you do not plan to use it for an extended period, and before a thunderstorm. Do not touch the device or the power cord during a thunderstorm.
- If the device malfunctions, immediately disconnect it from the mains. Do not turn on the device if it or its cable shows visible damage. Contact an authorized service center.
- Never use abrasive materials or organic solvents (alcohol, gasoline, etc.) to clean the device. A small amount of neutral detergent may be used. Always disconnect the antenna from power and other devices before cleaning.
- Do not disassemble the device yourself, to avoid electric shock. This device contains no user-serviceable parts. Contact an authorized service center for repairs.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the device.
- This device is not intended for commercial use.

Specifications

- Model: InHome 95.
- Trademark: DEXP.
- Frequency range:
  - VHF: 87.5–230 MHz.
  - UHF: 470–862 MHz.
- Supported bands: FM, VHF, UHF.
- Supported broadcasting standard: DVB-T2.
- Gain (max.): 30 dB.
- Characteristic impedance: 75 Ω.
- Signal-to-noise ratio: ≤ 3 dB.
- Placement: Indoor.
- Power supply: DC 5 V, 50 mA.
- Built-in high-gain, low-noise amplifier.
- Optimized for HDTV reception across various digital signal standards (DVB-T/DVB-T2, ISDB-T, DMB-T/H, ATSC), as well as DAB/FM radio.
- Scope of application: Domestic.
- Package contents: TV antenna, user manual, stand.

Installation and Connection

1. Connect the antenna's coaxial cable to a digital TV tuner or a TV with digital TV support.
2. Connect the USB cable plug.
3. Once you have checked that all connections are secure, turn on the TV and select a channel, then adjust the antenna's position to improve signal reception.



All images and diagrams are provided for reference only and may differ from the actual device.

How Broadcast Tower Location Affects Antenna Performance

The distance between your home and the broadcast tower is one of the most important factors affecting signal quality. Different distances call for different types of antennas:

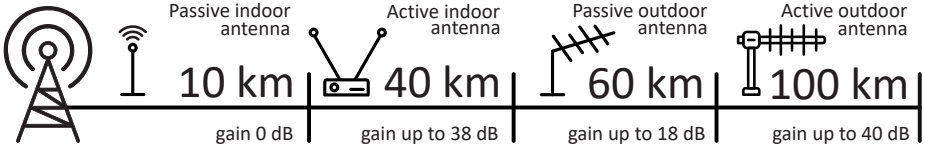
- Short range (up to 20 km). If the tower is nearby, even a passive indoor antenna will suffice. The signal will be sufficiently strong and stable.
- Medium range (20–50 km). At this distance, you may need an active indoor antenna, or a passive outdoor antenna with a signal amplifier.
- Long range (over 50 km). When you are far from the tower, an active directional outdoor antenna with an amplifier is recommended. For optimal reception, it is important to point the antenna correctly toward the tower.

Besides distance, other factors also affect signal quality:

1. Terrain. Mountains, hills, and tall buildings can obstruct the signal.
2. Weather conditions. Rain, snow, and fog can weaken the signal.
3. Electromagnetic interference. Household appliances, reinforced concrete, Wi-Fi routers, and power lines can cause interference that degrades reception quality.

How to identify a broadcast tower:

Antenna Range Diagram



1. Height and shape. Broadcast towers are typically very tall structures. The taller the tower, the larger its coverage radius. They can reach several hundred meters in height and often have a metal lattice structure.
2. Antennas. Towers carry numerous antennas of various shapes and sizes.
3. Location. To maximize signal coverage, broadcast towers are usually built on elevated ground or on tall buildings. In cities and large towns, they are often found in designated areas.
4. Fencing and restricted access. Towers are often surrounded by fencing and warning signs prohibiting unauthorized access, due to safety requirements.
5. Flashing lights. To prevent collisions with aircraft, towers are usually equipped with flashing lights that are visible at night.
6. Support equipment. Technical buildings and generators that keep the equipment running can often be seen near the towers.
7. Color. Towers are typically painted red and white.

Digital Channel Support

To determine whether your TV supports digital television (DVB-T, DVB-T2, or similar standards), follow these steps:

- Check your TV's specifications in the user manual or on the manufacturer's website. Your TV must support DVB-T, DVB-T2, ATSC, or other digital standards.
- Turn on the TV and open the settings menu. In the «Channels» or «Tuner» section, try running «Auto Channel Search». If the menu includes an option to select digital television (sometimes labeled «DTV»), your TV supports digital channels.
- Check your TV's labels and stickers. Some TVs carry stickers or markings indicating digital TV support. Look for labels such as «DVB-T2», «ATSC», and so on.
- Consult the seller or a home appliance specialist, who can confirm whether your TV supports digital television.
- Connect an external antenna and try searching for channels using the auto-search function. If your TV finds digital channels and displays them correctly, digital TV support is available.

Note: If your TV does not support digital TV, you will need to connect a TV tuner to the TV, and the antenna to the tuner to boost the signal. The antenna cable plugs into the tuner, which converts the received signal into a format suitable for the TV. The decoded signal is then sent to the TV connected to the tuner, allowing you to watch digital TV.

Checking Antenna Alignment with the TV*

- The antenna receives a better signal when pointed toward the broadcast tower or repeater. To achieve this, monitor the signal strength and quality from the antenna: on the TV tuner remote, find the «INFO» button and press it several times.
- Two lines should appear on the TV screen: «Signal Level» and «Signal Quality».
- To maximize these values, rotate the antenna every 5 seconds and check whether the numbers on the screen change.

* Does not work on Smart TVs.

Troubleshooting Guide

Issue	Possible solution
No signal	Make sure DVB-T2 digital TV broadcasting is available in your region and that you are within a reliable signal reception area
Picture freezes or breaks up / No picture / Sound cuts out or is missing	Weak signal level. Try moving or reorienting the antenna to obtain a stronger and better-quality signal
	Check whether power is being supplied to the antenna (enable antenna power supply in the corresponding menu option of your DVB-T2 receiver or DVB-T2-enabled TV)

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- The installation and mounting conditions for the device are described in the «Installation and Connection» section of this user manual.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported under dry conditions.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months
Service Life: 60 months

For the up-to-date list of authorized service centers, please visit:
https://www.dns-shop.ru/service-center/

Additional Information

Manufacturer: Shenzhen Antop Technology Co., Ltd.
Qiaohua Industrial Zone, Luotian Linchang Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen, China.

Made in China.

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.

Production date (mm.yyyy): _____ v.1

