

Thank you for purchasing a DX Antenna product.

- Please read this instruction manual carefully prior to using the product to ensure proper understanding and usage.
- Keep this manual in a safe place for future reference.

## ACTIVE ZONE® ANTENNA

MULTI-DIRECTIONAL ANTENNA: **DTA-3500**

# Active 5™

### IMPORTANT SAFEGUARDS

#### ⚠ WARNING

This symbol indicates a potentially hazardous situation that could result in serious injury or death if the instructions are ignored and the product is handled incorrectly as a result.

- To avoid an electric shock, fire or damage that could lead to injury or death, do not install the antenna in following areas:
  - near electric wires or neon signs
  - areas subject to extreme heat
  - areas where the antenna is an obstacle to people or cars
  - areas subject to shock or vibration or other unstable areas
- Attach the antenna firmly to the mast.
- Do not use the included AC adaptor with any other product.
- To avoid electric shock, do not disassemble the antenna or touch the internal parts.

#### ⚠ PRECAUTIONS

This symbol indicates a potentially hazardous situation that could result in equipment damage or malfunction if the instructions are ignored and the product is handled incorrectly as a result.

- Do not connect any equipment to the coaxial cable that links the antenna to the control unit unless the equipment has a power-pass line feature because the current in the cable is superposed.
- This antenna is designed for use in areas with weak to medium strength signals. A strong signal will overload the internal amplifier and reduce picture quality.
- You may not receive good reception if you live in places such as:
  - A location where the local TV broadcast signal is excessively weak.
  - A location where trees, buildings, power lines, or other obstructions interfere with broadcast signal reception.
- When TV is not in use for a long time, turn off the power switch of the control unit and unplug the AC adaptor from AC outlet.

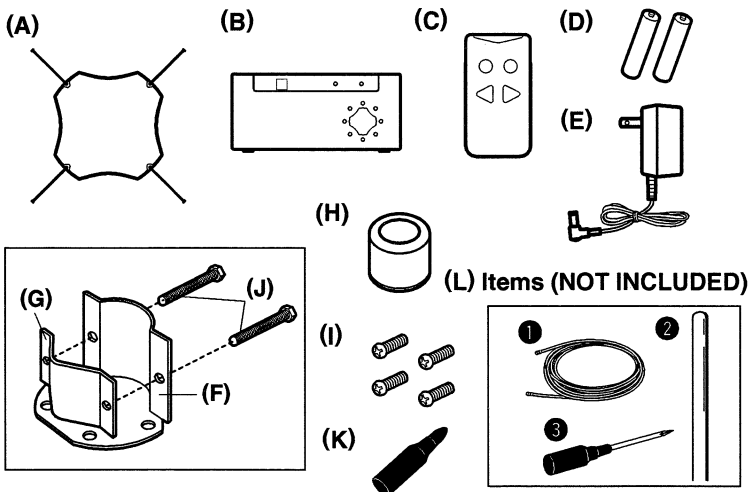
#### Components

|                                      |   |
|--------------------------------------|---|
| (A) Body .....                       | 1 |
| (B) Control Unit (Remote Sensor) ... | 1 |
| (C) Remote Controller .....          | 1 |
| (D) Batteries ("AAA" SIZE) .....     | 2 |
| (E) AC Adaptor .....                 | 1 |
| (F) Bracket A .....                  | 1 |
| (G) Bracket B .....                  | 1 |
| (H) Bracket Cover .....              | 1 |
| (I) Screws (small) .....             | 4 |
| (J) Screws (large) .....             | 2 |
| (K) Waterproof cap .....             | 1 |

#### Caution:

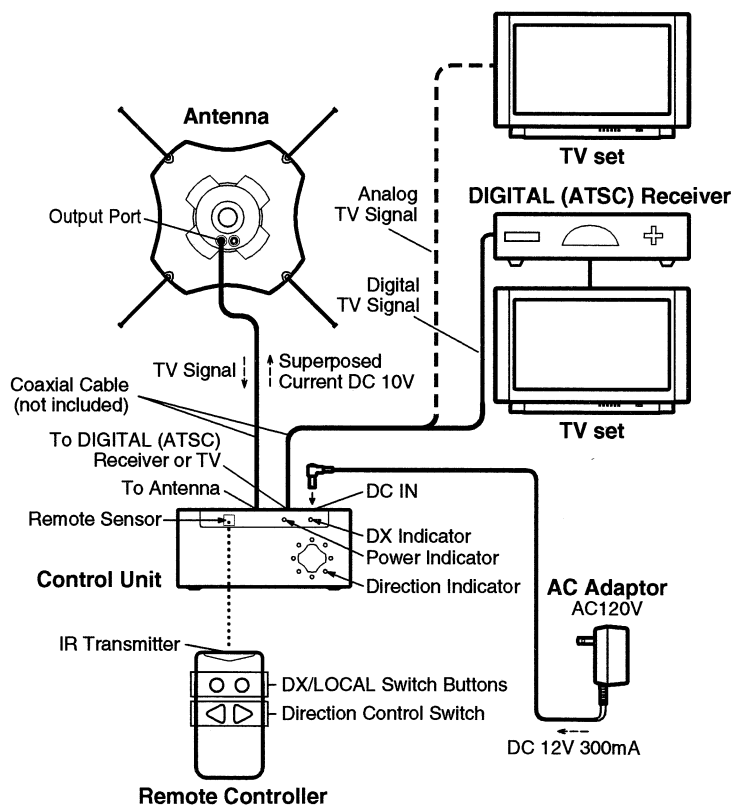
#### (L) (NOT INCLUDED) Items required for installation

- 1 Coaxial Cable (RG6)
- 2 Mast (ø1.26"-ø1.69")
- 3 Screwdriver (Phillips)



**Note:** This antenna system does not include a DIGITAL (ATSC) Receiver and a satellite antenna.

#### System Connection Diagram

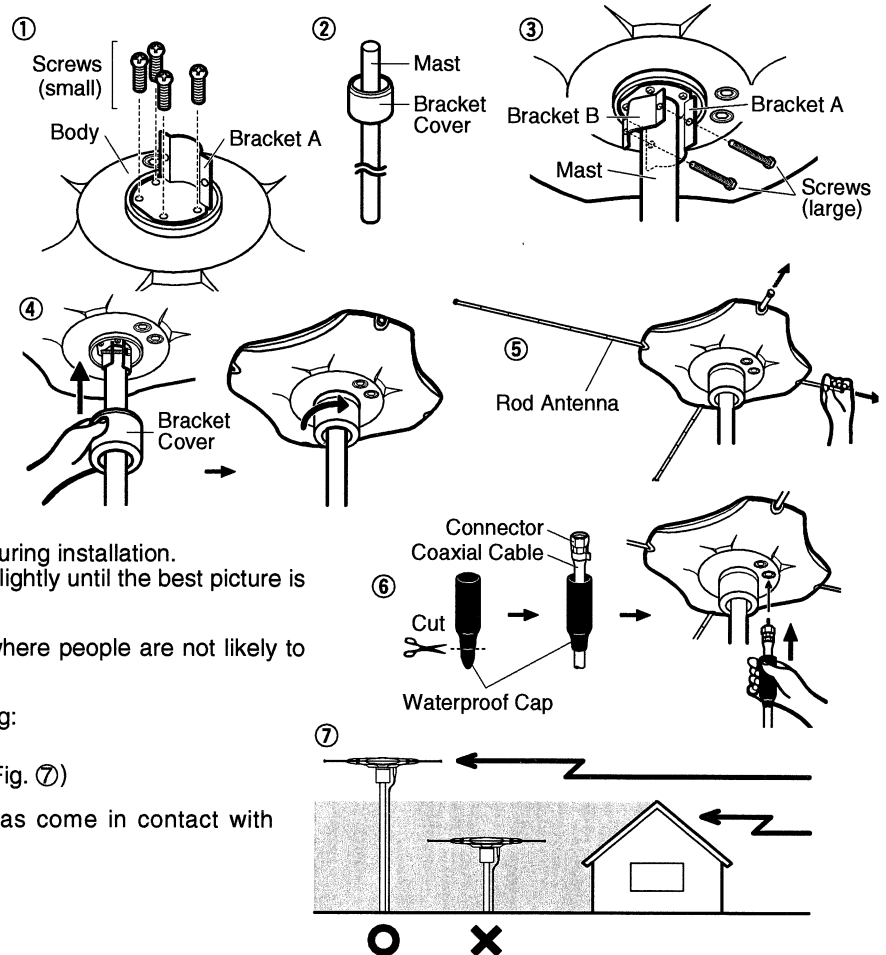


## Key Features

- **DIGITAL (ATSC) Receiver Compatible**
- **Phase controlled. Best receiving direction can be selected by Remote Controller**
- **Virtually eliminates ghosting**
- **Integrated Amplifier**
- **Compact, lightweight design and easy installation**
- **Analog (NTSC) TV compatible**

## Mounting Antenna on Mast

1. Attach bracket A to the body using the 4 screws. (Fig. ①)  
(screw torque: approximately 3N·m)
2. Place mast through the mounting bracket cover. (Fig. ②)
3. Insert mast between bracket A and bracket B, then tighten firmly using 2 screws. (Fig. ③)  
(screw torque: approximately 3N·m)
4. Attach the mounting bracket cover to the body by turning cover clockwise until you hear a click. (Fig. ④)
5. Fully extend the 4 rod antennas. (Fig. ⑤)
6. Cut the end of the waterproof cap to match the thickness of the coaxial cable, then insert the cable.
7. Connect the coaxial cable to the body and cover the connector plug with the waterproof cap. (Fig. ⑥)



### Caution:

- The antenna can normally be pointed in any direction during installation. If fine-tuning is necessary, the antenna can be turned slightly until the best picture is received.
- Install the antenna using a strong mast in a location where people are not likely to come in contact with the antenna.
- Do not set up the antenna in areas such as the following:
  - near metal obstacles
  - areas that are blocked by walls, building, trees, etc. (Fig. ⑦)
- Reception may be poor if the extended rod antennas come in contact with obstructions such as noted above.

## Operating Antenna

1. Confirm that the cables are connected according to the System Connection Diagram, and then plug the AC adaptor into AC outlet.
2. Open the battery cover of the remote controller and put 2 batteries (“AAA” SIZE) into the battery compartment.
3. Turn on the power switch of the control unit. The green lamp of the power indicator and the No.1 Green lamp of DIRECTION INDICATOR will light up.
4. Adjust the receiving parameters using the DX and LOCAL switches and / or DIRECTION CONTROL switch on the remote controller until you get the best picture quality while viewing the TV.
  - “DX” switch: Built-in booster is turned on. Press this button when local TV broadcast signal is weak.
  - “LOCAL” switch: Built-in booster is turned off. Press this button when local TV broadcast signal is strong. Pressing the DIRECTION CONTROL switches will shift the DIRECTION INDICATOR lamps.

- “LEFT” switch: The receiving position of the antenna shifts in a clockwise direction to 1 of 8 positions.
- “RIGHT” switch: The receiving position of the antenna shifts in an anticlockwise direction to 1 of 8 positions.
- \* DIRECTION INDICATOR lamp lights up showing the receiving direction of the antenna.

### Caution:

- When operating the remote controller, allow a 1 to 2 second interval when pressing the direction control switch. Pressing the direction control switch continuously may cause a discrepancy between the antenna direction and the indicator lamp. If this should occur, turn off the power switch for 5 seconds and then turn back on. This will reset the antenna to the initial mode. (No.1 Green lamp of DIRECTION INDICATOR lights)
- The control unit should be placed within 23ft (7m) of the remote controller with no obstruction between them. The remote controller may not work properly if it is used at a great distance from the control unit or if there is an obstruction between them.

## Specifications

### MULTI-DIRECTIONAL ANTENNA

| Band Zone                     | VHF (Lo)   | VHF (Hi)  | UHF       |
|-------------------------------|--|-----------|-----------|
| Frequency (MHz)               | 40 ~ 108   | 170 ~ 230 | 470 ~ 890 |
| Gain (Amplifier) (dB)         | 18 ~ 25  |           |           |
| Output Impedance ( $\Omega$ ) | 75 (F-type)  |           |           |
| Dimensions (inch)             | 4 <sup>23</sup> / <sub>32</sub> "(H) x 15 <sup>13</sup> / <sub>16</sub> "(W) x 15 <sup>13</sup> / <sub>16</sub> "(D) |           |           |
| (Rod Antenna folding) (mm)    | 120(H) x 402(W) x 402(D)   |           |           |
| Dimensions (inch)             | 4 <sup>23</sup> / <sub>32</sub> "(H) x 67 <sup>5</sup> / <sub>16</sub> "(W) x 67 <sup>5</sup> / <sub>16</sub> "(D)   |           |           |
| (Rod Antenna extention) (mm)  | 120(H) x 1710(W) x 1710(D)   |           |           |
| Weight (lbs.)                 | 3.53   |           |           |
| (kg)                          | 1.6  |           |           |

### CONTROL UNIT

|                        |   |
|------------------------|---|
| Frequency (MHz)        | 40~890  |
| Insertion Loss (dB)    | ≤2.0  |
| Impedance ( $\Omega$ ) | 75 (F-type)   |
| Power Input (V)        | DC 12   |
| Dimensions (inch)      | 2 <sup>9</sup> / <sub>32</sub> "(H) x 5 <sup>1</sup> / <sub>8</sub> "(W) x 2 <sup>29</sup> / <sub>32</sub> "(D) |
| (mm)                   | 58(H) x 130(W) x 74(D)  |
| Weight (lbs.)          | 0.44  |
| (kg)                   | 0.2   |

### REMOTE CONTROLLER

|                         |   |
|-------------------------|---|
| Transmission System     | Infrared  |
| Transmission Range (ft) | approx. 23  |
| (m)                     | approx. 7   |
| Batteries               | R03 <UM-4> (DC 1.5V "AAA" SIZE)   |
| Dimensions (inch)       | 3 <sup>25</sup> / <sub>32</sub> "(H) x 2 <sup>7</sup> / <sub>32</sub> "(W) x 5 <sup>5</sup> / <sub>8</sub> "(D) |
| (mm)                    | 96(H) x 56(W) x 16(D)   |
| Weight (lbs.)           | 0.11 (without Batteries)  |
| (kg)                    | 0.05 (without Batteries)  |

### AC ADAPTOR

|                 |  |
|-----------------|--|
| Power Input (V) | AC 120                                   |
| Power Output    | DC 12V 300mA                             |
| DC Cord (inch)  | approx. 70 <sup>7</sup> / <sub>8</sub> " |
| (m)             | approx. 1.8                              |

Manufactured by: **DX ANTENNA CO., LTD.** Kobe, Japan

## FUNAI CORPORATION LIMITED WARRANTY

Funai Corporation will exchange or repair this product, at its option, in the event of defect in materials or workmanship as follows:

#### EXCHANGE DURATION:

FUNAI CORPORATION will exchange for a new unit without charge for a period of ninety (90) days from the date of original retail purchase. FUNAI CORPORATION will exchange for a factory-service-to-new-condition unit for a charge of a retail price unit for the period of ninety one (91) days to three hundred sixty five (365) days from the date of original retail purchase.

#### REPAIR DURATION:

**LABOR:** FUNAI CORPORATION will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

**PARTS:** FUNAI CORPORATION will provide parts to replace defective parts without charge for a period of one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.

#### LIMITS AND EXCLUSIONS:

THIS WARRANTY IS EXTENDED ONLY TO THE ORIGINAL RETAIL PURCHASER. A PURCHASE RECEIPT OR OTHER PROOF OF ORIGINAL RETAIL PURCHASE WILL BE REQUIRED TOGETHER WITH THE PRODUCT TO OBTAIN EXCHANGE OR SERVICE UNDER THIS WARRANTY. This warranty shall not be extended to any other person or transferee. This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced or missing. This FUNAI CORPORATION Limited warranty applies only to product purchased and used in the United States. This warranty only covers failures due to defects in material or workmanship, which occur during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations, or parts not supplied by FUNAI CORPORATION, or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product, or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL UNITS), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMONSTRATION OR FLOOR MODELS.

FUNAI CORPORATION AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANT ABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, THAT ARE HEREBY DISCLAIMED BY FUNAI CORPORATION AND ITS REPRESENTATIVES OR AGENTS IN THE UNITED STATES.

ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY A FUNAI AUTHORIZED CENTER. THIS WARRANTY IS VALID WHEN THE PRODUCT IS DELIVERED PREPAID TO A FUNAI AUTHORIZED SERVICE FACILITY.

#### IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE, IF AT ANY TIME DURING THE WARRANTY PERIOD YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE EXCHANGE OR REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORPORATION.

#### ATTENTION:

FUNAI CORPORATION RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

For information about your product, or for information on how to exchange or repair your product, telephone or write to the following:

### FUNAI CORPORATION Customer Service

19900 Van Ness Avenue, Torrance, CA 90501

**CALL 1-800-481-1652**

Head Office: 100 North Street, Teterboro, NJ 07608

PLEASE DO NOT SHIP YOUR UNIT TO THE TETERBORO ADDRESS.