

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

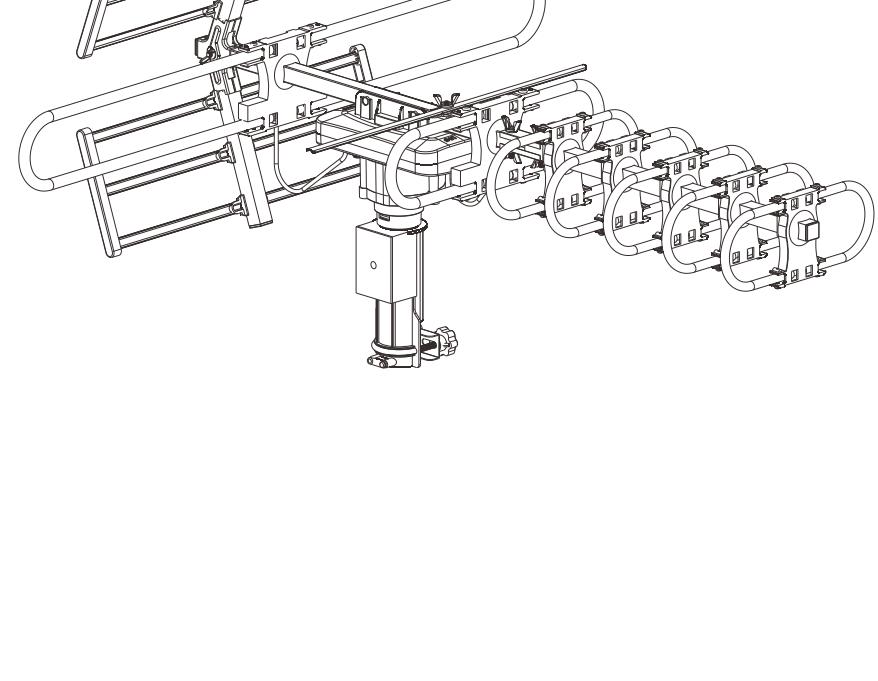
Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information  
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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## High Definition Television Antenna FSA-3806



Page 1

## Features

The FSA-1806 picks up radio signals in addition to HD television, so it is possible to connect the TV Out cable from the control box into a radio in order to listen to FM radio stations.

Be sure the reflector frames are properly installed, because they greatly help with focusing signals into the antenna's elements, allowing more signals to be picked up with better quality.

The built-in super low noise amplifier boosts the strength of signals received from faraway locations, allowing distant transmissions to be viewed with ease.

## Advice and Recommendations

You can go online to check satellite maps for the locations of TV transmitters and stations that are closest to you. Use the remote to turn the antenna in the direction with the most transmitters for a wider variety of channels.

When mounting the antenna, be sure to have it in a location above as many obstructions as possible(trees, buildings, hills, etc). This will allow the antenna to pick up the clearest possible signal. Wind interference in minimal thanks to the FSA-1806's efficient, open-frame design.

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## SPECIAL FEATURES

- ◆ Super active outdoor antenna
- ◆ Built-in low noise circuit
- ◆ High quality far ranging reception
- ◆ 360 all directional rotation
- ◆ UHF/VHF TV and FM radio
- ◆ With infrared remote control
- ◆ Parabolic focusing reception
- ◆ Can operate antenna manually
- ◆ Built-in high gain booster
- ◆ Easy to install and operate

## SPECIFICATION

FREQUENCY&ACTUAL GAIN: 450~860MHz 25~35dB

OUTPUT IMPEDANCE: 75Ω F-CONNECTOR

NOISE FIGURE: <2.5dB

MAX OUTPUT LEVEL: 105dB μ V

Mains Voltage: AC-110V/60Hz

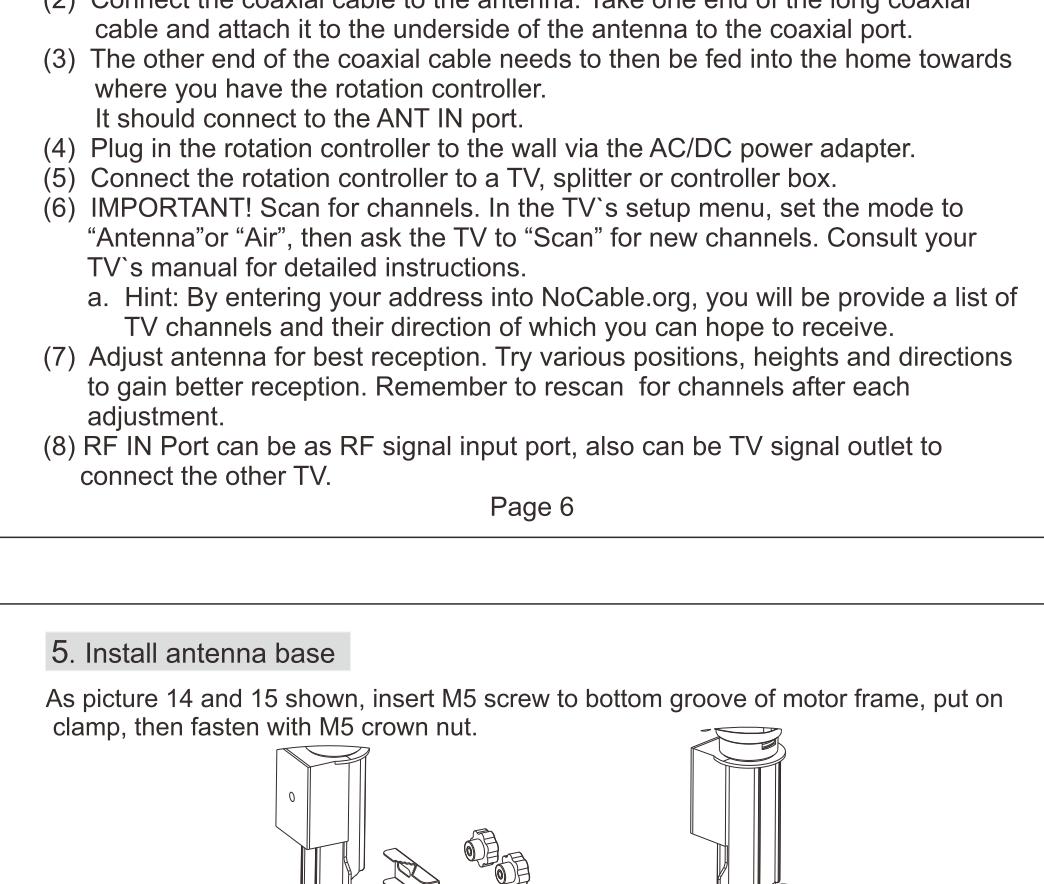
OPERATING TEMPERATURE: -10°C ~50°C

## PACKAGE CONTENTS

NO	NAME	QTY	IMAGE
1	Director Element	1	
2	Reflectors	1	
3	Control Box Remote Control	1	
4	Control Box Power Supply	1	
5	Base Frame Element Rotational Motor	1	

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## Installation Instructions



- (1) Assemble antenna please see figure 1.
- (2) Connect the coaxial cable to the antenna. Take one end of the long coaxial cable and attach it to the underside of the antenna to the coaxial port.
- (3) The other end of the coaxial cable needs to then be fed into the home towards where you have the rotation controller.

It should connect to the ANT IN port.

- (4) Plug in the rotation controller to the wall via the AC/DC power adapter.
- (5) Connect the rotation controller to a TV, splitter or controller box.
- (6) IMPORTANT! Scan for channels. In the TV's setup menu, set the mode to "Antenna" or "Air", then ask the TV to "Scan" for new channels. Consult your TV's manual for detailed instructions.

a. Hint: By entering your address into NoCable.org, you will be provided with a list of TV channels and their direction of which you can hope to receive.

- (7) Adjust antenna for best reception. Try various positions, heights and directions to gain better reception. Remember to rescan for channels after each adjustment.
- (8) RF IN Port can be as RF signal input port, also can be TV signal outlet to connect the other TV.

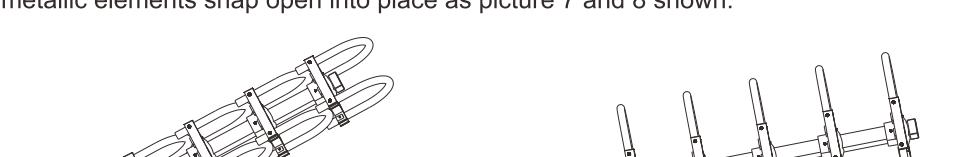
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6	Aluminium sheet	1	
7	Components Bag	1	
8	40 feet coaxial cable	1	
9	Manual	1	

## Antenna installation procedure

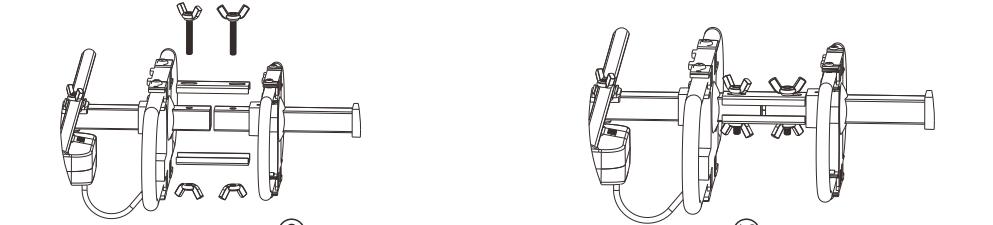
### 1. Fix 343mm Aluminium sheet

Back-out M4 butterfly nut as picture 1 shown, put 343 aluminium sheet on the holder as picture 2 shown, fasten it with M4\*25 screw and M4 butterfly nut as picture 3 shown.



### 2. Fix square aluminum

Put square aluminum in the motor frame groove as picture 4 shown, Put M4\*25 screw align to the hole and insert the square aluminum as picture 5 shown, fasten it with M4 nut as picture 6 shown.



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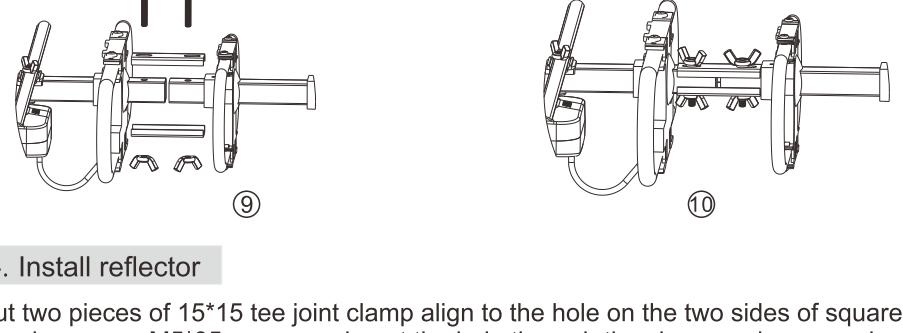
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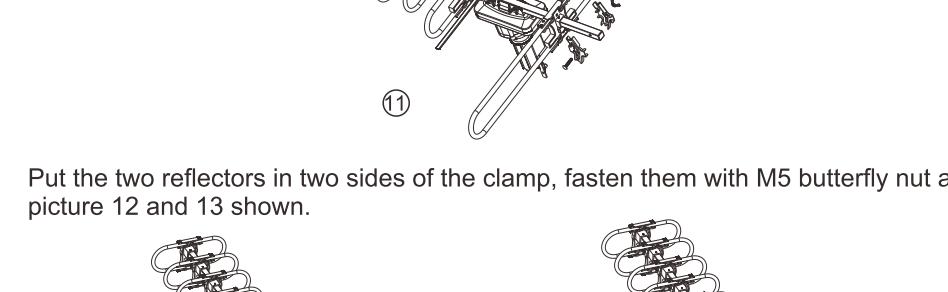
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### 3. Install director

Find the antenna's director element, shown here, and open it up so that the looped metallic elements snap open into place as picture 7 and 8 shown.



Use two more sets of wing nut screws to attach the director element from step 1 to the front of the antenna's base frame as picture 9 and 10 shown.



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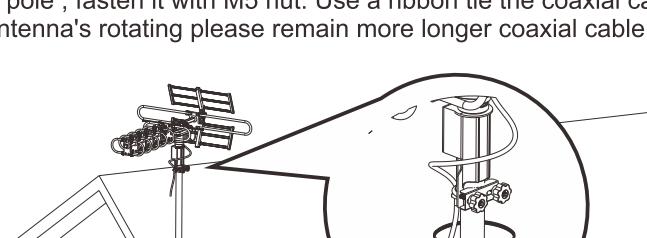
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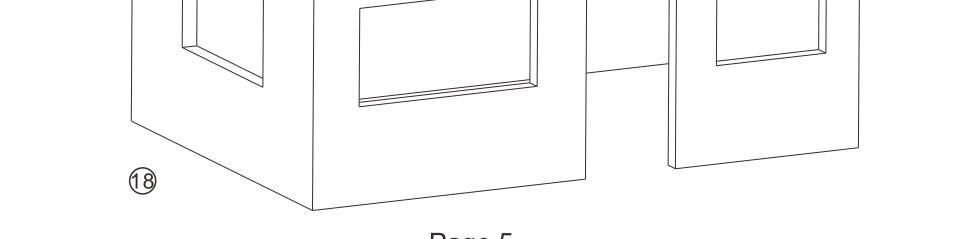
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### 5. Install antenna base

As picture 14 and 15 shown, insert M5 screw to bottom groove of motor frame, put on clamp, then fasten with M5 crown nut.



As picture 16 and 17 shown, connect 40FT coaxial cable the side with water proof to F connector of antenna, please do not twist immoderately to avoid breaking F connector. Then use iron circle clamp fix the water proof cap immoderately to the root of F connector. Then use a clip and M3\*8 tapping screw fix the 40FT cable on the base of antenna. Caution: Do not tighten the cable here. Leave enough loose cable for the antenna to rotate.



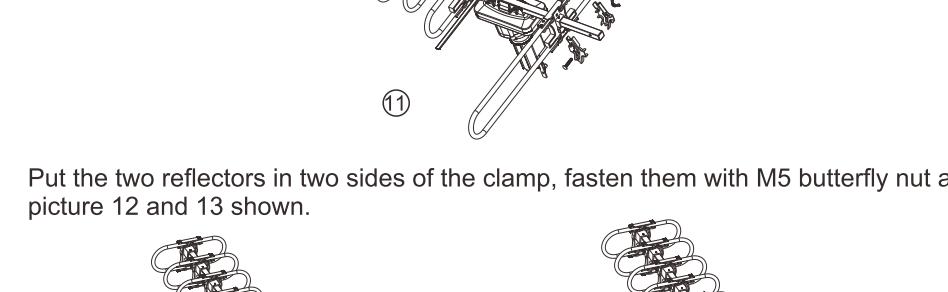
Select a mast pole, fasten it with the top of house. Use a antenna tie. With bottom of antenna fixed to a mast pole, fasten it with the top of house. Use a antenna tie. With bottom of antenna fixed to a mast pole, fasten it with the top of house. Use a antenna tie. Be sure antenna's rotating please remain more longer coaxial cable above the ribbon.



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### 4. Install reflector

Put two pieces of 15\*15 tee joint clamp align to the hole on the two sides of square aluminum, use M5\*35mm screw insert the hole through the clamp and square aluminum as picture 11 shown.



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