






# Antenna Pros Spectrum 2 Outdoor Digital TV Antenna Manual SP-02

## Features

- Solid structure, simple installation
- Compact portable design
- Ultrasonic welding, full waterproof
- High quality reception
- Option for manual operation available
- SMT circuit, special for digital/HDTV reception
- VHF/UHF/FM signal reception
- 100% DTV and HDTV
- Built-in high gain booster and low noise circuit
- Works anywhere in the world
- Supports all OTA, FTA stations
- Includes infrared remote control for rotation

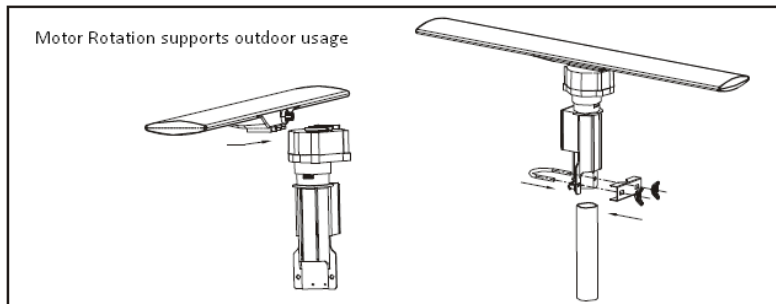
## Shipping List

NO.	Name	QTY	Image
1	Main unit	1	
2	Power supply	1	
3	Remote controller	1	
4	Cable	1	
5	Instruction	1	

## Technical Information

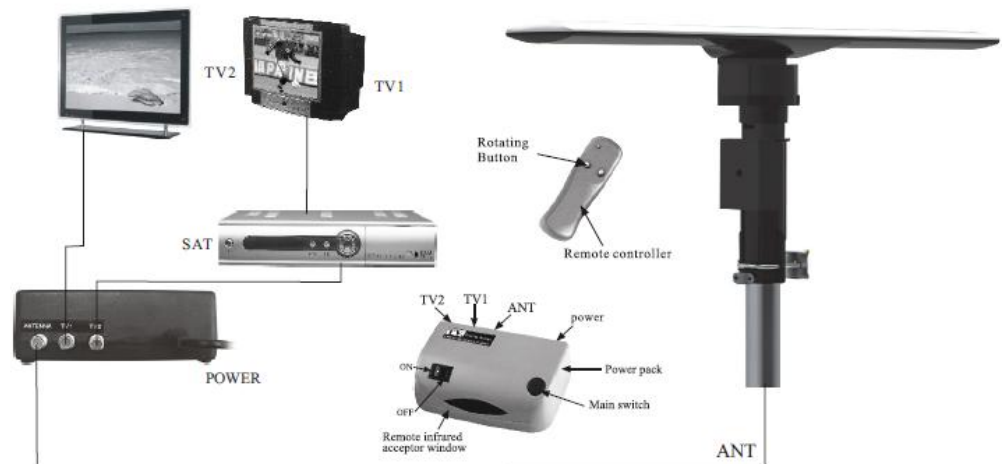
- Receive range: UHF/VHF/FM
- Frequency: 40-862 MHz
- VHF gain:  $25 \pm 3$ dB
- UHF gain:  $30 \pm 3$ dB
- FM Gain: 25dB
- Max output level: 95dB
- Impedance:  $75 \Omega$
- Power: 3 W
- Channels: 1-69
- Receiver power: DC 5V
- Input voltage: AC 110V/50Hz
- Remote distance: 5M
- Rotating: 360 degrees
- Maximum Signal Amplification

## Assembling Your Antenna



Attach main unit onto rotor, and mount on a 1 inch pole with U-Bolt (U-Bolt and pole not included. Other types of mounts may also be used).

Once the antenna is assembled, connect the antenna to the power supply. The antenna needs to be connected directly to the power supply without any splitters or connectors in order for the rotor to work, since the rotor needs electricity from the power supply for power.



1. Connect coaxial cable from antenna, to the back of the power supply where it says “Ant”
2. Plug TV1 into the back of your TV, where it may say “Antenna/Cable In” or just “Ant.” Be sure to push it in fully before securing. To secure it, turn the nut clockwise.
  - **If you have an Analogue TV:** Connect the cable labeled “TV1” on the back of the power supply, to the back of your converter box. Then connect your converter box to your TV.
3. TV 2 on the back of the control box may lead to a secondary TV. If that TV is not digital, it would also need to connect through a second converter box.
  - You can use splitters from TV1 or TV2 (**Note:** The more connectors or splitters you have, the more signal loss you will experience.)

Now it’s time to turn on your TV and prepare it to accept your antenna. Each TV brand will vary, so for this example we will use an LG LCD TV as reference.

1. Go to the TV’s **Menu** screen. Usually you can get there by pressing “Menu” on your controller
2. From Menu, go to **Channel Settings**
3. Be sure that you have selected “**Antenna**” for your TV. You may find that it has been set to “Satellite” or “Cable” by default
4. Select “**Auto Tuning**” or “**Scan.**” This will update your channel information and at the end your TV will tell you how many channels you are receiving and whether your signal is strong or weak.
5. Your antenna is now ready for watching! If you received “Weak Signal” you may want to rotate your antenna to a better position, and then repeat step 4 again.

## Frequently Asked Questions

### Q: Do we need a converter box?

A: Yes you would need a converter box if you do not have a digital TV. If your TV shows no signal when you do a scan, this usually will mean you need a converter box. This is the general rule for all antennas, not just this model.

### Q: How do I know if my TV is digital?

A: There are tell-tale signs.

- If the TV was sold as "HDTV" or "DTV," it's supposed to have an ATSC tuner built in to it, so it is a digital TV. If it was sold as "HD ready TV," then it does not have a digital tuner.
- You can always check the specs in the owner's manual for your TV. Or if you no longer have your TV's manual, you can go to [www.google.com](http://www.google.com) and search the make and model of your TV to check.
- If your TV's menu has an option for "Scanning" (also sometimes called "Auto-Tune") for digital channels, then it has an ATSC tuner. If it doesn't have a way to scan for digital channels, then it doesn't have a digital tuner.
- If you purchased your TV before 2009, it may be an analogue TV so it's best to always double-check

### Q: I have more than one TV in my house. Can this antenna be used for all of them?

A: Yes. You may split the coaxial cable, but do keep in mind that each time you split the cable there will be a decrease in reception strength as it travels through the various cables before reaching each TV. Another option would be to purchase a Distribution Amplifier, which will keep your signal strength strong and has multiple other ports for you to run various cables. Antenna Hub has a [Distribution Amplifier](#) category that you can browse through to purchase one.

If you have further questions, The [Frequently Asked Questions](#) page on [www.antennapros.com](http://www.antennapros.com) may be able to help you. If not, feel free to contact us.