Antenna Pros Digital HD TV Antenna
AX-903, AX-906, AX-909 Manual

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Connection Diagram: The figure above is how your antenna and control box should be connected to your TV. If you have an analog TV then the G2 control box would connect to the converter box first and then that would be connected to the TV.

Technical Specification

Frequency & Actual Gain:
VHF: 40-300MHz  28-32dB
UHF: 470-890MHz 32-36dB
Output Impedance: 75 Ω F-Connector
Noise Figure: greater than or equal to 2.5dB
Max Output Level: 105dB µV
Power Source: AC 15V
Operating Temperature: -10°C- 50°C

Features

- Built in high gain booster
- Parabolic focusing reception
- UHF/VHF TV and FM radio
- Super active outdoor antenna
- High quality far ranging reception
- Can operate antenna manually
- With infrared remote control
- Easy to install and operate
- 360° all directional rotation
- Built-in high gain booster
- Built-in low noise circuit
**Red square cap (10) is no longer included nor required.**

**Note that the control box has to be directly connected to the antenna or else the rotor will not work and the power is reduced. If you need to use a splitter, do so with the cable from the output of the control box.**

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<tr>
<th>NO.</th>
<th>Name</th>
<th>Specification</th>
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Installation Instructions

**Step 1:** Place main pole column (4) on the motor fixed balster (5). Align with the holes and screw in 4pcs of 4x10 screws (15)

(Take main pole column and place on top of the motor fixed bolster. There should be screw holes that line up together on the main pole column and the motor fixed bolster. Place the main pole column onto the motor fixed bolster so the holes line up and match perfectly. The main pole column should rest on the motor fixed bolster comfortably.)

**Step 2:** Lift-up V-frequency viberator (3) on main unit (1)

(Lift up V-frequency viberator on side with red light. It should be the side with screw holes underneath the V-frequency viberator.)

**Step 3:** Place motor-fixed balster (5) on the main unit (1) and align with screw holes. Screw in with four 4x12 screws (12)

(Place the motor-fixed balster onto up the main unit underneath the V-frequency viberator you just lifted up. Align the screw holes on the motor-fixed balster to the screw holes on the main unit. Screw in the motor-fixed balster to the main unit using four 4x12 screws.)

**Step 4:** Take square pilt (8) and screw on five U-frequency viberators (9) with the butterfly screws (11)

(Take the square pilt and align U-frequency viberator with one of the screw holes. Use a butterfly screw to secure the U-frequency viberator on the square pilt. Make sure you screw the butterfly screw under the U-frequency viberator so it stays in place on the square pilt. Do the same for the rest.)

**Step 5:** Insert square pilt (8) into the hole on the back of the main unit (1)

(Take square pilt with all the U-frequency viberators securely attached to it and place into the hole on the back of the main unit. You may have to push a little to get the square pilt securely in.)
Step 6: Make sure the hole on the square pilt (8) aligns with the screw hole on the main unit (1). Using one M4x18 (13) screw the square pilt (8) in place on the main unit (1).

(After inserting the square pilt, align the screw hole on the square pilt with the screw hole on the main unit. Using one M4x18 screw, screw the square pilt in place inside the main unit.)

Step 7: Slide net-fixed sheet (6) into slot on the main unit (1) properly.

(On the opposite side of the square pilt, there is a slot to slide the net-fixed sheet in. Turn the main unit over to have the side with the motor-fixed balster facing downward. On the net-fixed sheet, the side with one screw hole will be the one against the main unit. As you slide the net-fixed sheet down, align the one screw hole with the hole on the main unit. It should slide down easy with little force.)

Step 8: With the net-fixed sheet (6) in place, using one M4x12 screw (12), screw the net-fixed sheet to the main unit (1).

(To screw the net-fixed sheet to the main unit, insert your screw driver through the outside screw hole on the net-fixed sheet. Place one M4x12 screw in the screw hole on the side of the net-fixed sheet against the main unit. Screw the M4x12 screw to securely attach the net-fixed sheet to the main unit.)

Step 9: Next, take the netting reflector (2) and place it on the net-fixed sheet (6) aligning the screw holes diagonally.

(Place the netting reflector on the net-fixed sheet you just screwed in. The netting reflector should have the hollow side towards the main unit. Align the holes on the netting reflector with the holes on the net fixed sheet.)

Step 10: With the netting reflector (2) placed on top of the net-fixed sheet (6), place and align the square sheet (7) on top of the netting reflector.

(Place the square sheet on top of the netting reflector aligning the holes on the square sheet to the holes on the netting reflector.)
Step 11: With the square sheet (7) in place, take two M5x12 screws (14) and screw the square sheet in place.

(Now that the square sheet is in place on top of the netting reflector, take two M5x12 screws and screw them into two of the screw holes on the square sheet to connect the square sheet with the netting reflector.)

Step 12: Connect the 75 Ω coaxial cable (18) F-nut to the F-screw on the main base (1) and cover the waterproof cap.

(Take the 75 Ω coaxial cable and insert it to the space on the main unit. It should be underneath the main unit. Push in the wire till it’s secure and screw the waterproof cap on to tighten the wire in place and to prevent water from getting in.)

Setup & Operating Instructions

Once the antenna is assembled, you would connect the antenna to the control box. The antenna needs to be connected directly to the control box without any splitters or connectors for the rotor to work since the rotor is powered by the electricity from the control box. The control box has two TV outputs so you can use those outputs to connect to your TVs. You can use splitters and connectors from these TV outputs but please note that the more connectors or splitters you have, the more signal loss you will experience.

Once you have connected everything properly. It's time to turn on your TV and get it set up for your antenna. There are many different brands of TV so the setup may vary. You do want to find the TV’s menu screen. Once you are there, you will need to select antenna. It may be on cable or satellite. Once you have selected antenna you can scan for the digital and analog stations in your area. This antenna is a directional antenna so you will need to point it in the direction of the broadcast towers. If you are unsure of the direction, you can experiment and rotate it around. You can scan for the stations, then rotate a little bit and then scan again until you find the best direction for your location.

This antenna is a directional antenna which means its power is focused in one direction. The antenna would need to point in the direction of the broadcast tower in order to pick up the broadcast. You can rotate the antenna pointing the remote at the control box and clicking on the rotate button. You can also rotate the antenna by pressing the rotate button on the control box.

**Note that the antenna will rotate in 1 direction 360 degrees and then it will reverse itself and rotate in the opposite direction 360 degrees.**

You can control the signal strength by adjusting the knob on your G2 control box. The signal strength can be set from minimum to maximum. If you are close by to the broadcast towers then you want to set your strength closer to the minimum. If you know you are about 70 to 100 miles from the broadcast towers then you might want to set the signal strength closer to the maximum. You should experiment with this to find the right setting for your antenna.
Frequently Asked Questions

Q: Do we need a converter box?
A: Yes you would need a converter box is you do not have a digital TV. If you have a digital TV then you would not need a converter box.

Q: I need a converter box for my TV. How should I integrate the Antenna Pros setup?
A: It’s important to remember that the antenna and the power supply must always have a direct connection to one another. That being said, have the coax cable running from:

Antenna >> Power Supply >> your Converter box >> TV

Q: I have multiple TVs that I want to split this antenna to. How do I go about doing that?
A: If you split anywhere before the power supply box, your antenna in essence will “not work.” The power supply has a booster inside of it that helps to amplify signal. It is important that you allow the antenna to pass through the power supply box before distributing it to separate televisions. You can add splitter cables to the back of the power supply box, where it says TV1 and TV2.

Q: My G2 box is broken. It won’t rotate the antenna.
A: The G2 box has a new lock feature so that your antenna will not rotate when interference from other controllers command it to. If you want to rotate your antenna, turn the signal booster all the way to the max (clockwise/to the right) and then rotate it.

Q: Do I have to ground my antenna?
A: Grounding your antenna will prevent electrical surges, so yes it is recommended that you do.

Q: My power supply control box gets really hot. Should I turn it off?
A: We recommend turning off the boxes when they are not being used. You wouldn’t leave your TV on when you’re not watching, so the same should apply to this booster.