1. There are leads - VHF/UHF - Fan connection to "Combination" VHF/UHF antenna (AA1000) only - For connection to UHF only antennas.
2. Find suitable position for mounting – preferably within 1m of TV (to connect with supplied fly lead). Key hole mounts are included on the base for more permanent fixing.

**Troubleshooting & Population Guide**

**Digital TV sets** require the received signal levels to be within its operating boundaries. A digital signal is suitable if the signal level is between 30dBμV and 65dbμV and will present a perfect picture. If the signal is outside of these levels, pixilation will occur whether it is too high or too low.

The most likely causes of pixilation will be poor signal collection. Though in some cases, being too large an antenna for your distribution network, or an amplifier that is too required, can cause too much gain and result in pixilation. Depending on your distribution network try the following:

1. **Check antenna direction**
2. **Check all connections in the system for wear, corrosion and proper termination.**
3. **If required increase amplifier gain until satisfied with signal quality, generally between 50-80db μv.**
4. **You can now begin to use the integrated signal meter, tune antenna to AA1000 and move the antenna to the position where the most number of LEDs are shown on the Gain display.**
5. **Turn on TV and check picture across channels.**
6. **If you are still experiencing the problem, you may now begin to use the Gain display.**
7. **You can now begin to use the integrated signal meter, tune antenna to AA1000 and move the antenna to the position where the most number of LEDs are shown on the Gain display.**
8. **Connect TV to TV1 output of amplifier.**
9. **Connect amplifier to power using 12vdc adaptor**
10.**Connect installed AA1000 antenna to VHF/UHF input via coax.**
Thank you for choosing the Antsig range of quality audio video equipment.

Installation

Follow these initial basics to install your prime outdoor antenna:

Stage 1. Unfolding antenna

1. Locate the two mounting brackets pre-mounted on the sealed poly bag.
2. Locate the two UHF reflector screws and the two wing nuts from the Reflectors Assembly.
3. Fix first UHF reflector to the mounting brackets (See figure 2a).
4. Now, mount the other UHF reflector assembly between the mounting bracket in other stages.
5. Tighten both wing nuts attached to the mounting brackets clockwise until the two mounting brackets (reflectors) are firmly in place (See figure 1).

Stage 2. Mast Installation

1. Mount the antenna mast clamp which holds the antenna to the roof, take your time and don’t be distracted by passersby.
2. Locate and avoid overhead power lines. Antennas must always be installed away from overhead power lines and preferably at a distance equal to twice the combined length of the mast and cable mounting.
3. Always let someone know you are working on the roof, avoid unnecessary movement on the roof; passersby.
4. Carefully survey the job before the installation to locate secure roof areas and the most convenient placement for ladders. Work out where the strongest points are for mast and cable mounting; position the antenna at the closest point to the transmitter.
5. Do not climb on the roof when there is no-one to twice the combined length of the mast and cable.

Stage 3. Mounting Antenna

1. Install the UHF reflector in between the two mounting brackets.
2. Using the supplied amplifiers integrated signal booster, rotate outwards until it clicks firmly into place.
3. Grasp a folded element at the back of the antenna, rotate outwards until it clicks firmly into place.

Stage 4. Mounting at Antenna

1. Mount the antenna mast in between the u-bolt v-block and pull the u-bolt connected to the v-block down; tighten the nuts and washers on the v-block, (See figure 3c).
2. Mount the antenna boom to be placed in between.
3. Loosen the nuts and washers attached to the mast, (See figure 3d).
4. Mount the antenna boom to the mast, (See figure 3c), direct antenna towards the transmitter; if the transmitter is not visible, use a spanner to tighten the nuts.
5. Mount the antenna mast clamp which holds the antenna to the roof, take your time and don’t be distracted by passersby.

Note: After this stage, the leading edge of the UHF reflector to mounting bracket as this will provide more flexibility to mount other UHF reflectors in between the mounting brackets in other stages.

Following are the installation factors; position, direction and polarisation.

Direction

Position of a reflector depends on the position of the transmitter; if the transmitter is broadcasting vertically, the antenna should have horizontal polarisation (See figure 3a).

Polarisation

Transmitting horizontally polarised signal will work with horizontal polarisation antennas; a compass or map can also help identify polarisation.

SAFETY POINTS

Always plan your installation. Carefully think through the job and take necessary precautions. Common sense and good judgement must be used at all times.

Always take sufficient time for mast and cable mounting; always let someone know you are working on the roof.

Locate and avoid overhead power lines; dangerous. Common sense and good judgement must be used at all times.

Ensure that all roof structures are structurally sound before you start working on the roof; careful.

Always remember that you are standing on the roof; take your time and don’t be distracted by passersby.

For information on transmitters across Australia it is suggested to visit the ACMA mysite website:

http://myswitch.digitalready.gov.au

Digital HD TV Antenna Installation Guide

Stage 1. Unfolding antenna

Stage 2. Mast Installation

Stage 3. Mounting Antenna

Stage 4. Mounting at Antenna

Note: (Red) is always vertically polarised. Antenna location should be away from sources of obstructions and aligned with the transmitter.

DAB+ is always vertically polarised. Antenna location should be away from sources of obstructions and aligned with the transmitter.

It is as easy to type in a location or allowing the app to find your location to see the best transmitter for you, including required directions and polarisation.

Type location and find transmitter information, alternatively download the MY SWITCH app from GOOGLE PLAY or APPS STORE.

Visit the Antsig website for more information.

Follow these guidelines for proper installation:

• Note your position to transmitter towers
• Use RG6 quad cable for installation
• Note your position to transmitter towers
• Ensure cable lengths to a minimum
• Terminate with F-connectors
• Mount antenna high as possible with fewest obstructions in line of sight with transmitter
• Keep cable lengths to a minimum
• Terminate with F-connectors

Successful antenna installation requires strong collection of the TV signal and distribution of the TV signal.

Chamber. This ensures that your antenna has been optimised to capture high definition digital TV signals.

Thank you for choosing the Antsig range of quality audio video equipment.

If, at any time, you are unsure about performing any functions relating to antenna installation, please contact a professional installer or the ACMA.