



The ANT05 and ANT06 are amplified receiver antenna assemblies which provide a signal gain of +10dB and +20dB respectively.

The product is shipped with the amplifier fitted as shown in the image above. If desired by the installer, the amplifier module can be removed and fitted in a different position, as described later in this document.

This product can replace an existing ANT03 installation.

Technical Specification

General

ANT05 Gain.....	+10dB
ANT06 Gain.....	+20dB
Frequency	860–872MHz
Bandwidth.....	+/-6 MHz
Phantom Power8 – 15V @45mA
Impedance	50Ω
Antenna VSWR	Below 1.5:1
Antenna Polarisation	Vertical
Connectors	TNC type, male
Antenna Material.....	Black Polyurethane (PU)
Colour (antenna)	Black
Colour (bracket)	Agate Grey RAL7038
Colour (amplifier)	Brushed Aluminium

Dimensions and Weight

Antenna

Length	242mm
Weight.....	36g

Bracket

Width	max:48mm / min:35mm
Length	244mm
Weight	90g

Amplifier Module (including sockets)

Width	34mm
Length	82mm
Depth	22mm
Weight	108g

Environmental

Temperature (storage).....	-20°C to +70°C
Temperature (operating).....	-10°C to +50°C
IP rating.....	IP65

Safety and Precautions

Observe all safety information both on the equipment and in this section.

Environmental



1. The temperature and humidity ranges shown in the specifications for this equipment must not be exceeded.
2. This equipment must not be installed in an area that is subject to a corrosive atmosphere, excessive moisture or excessive amounts of water.

Electrical Safety

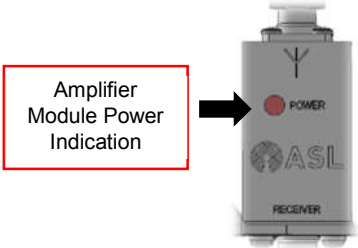




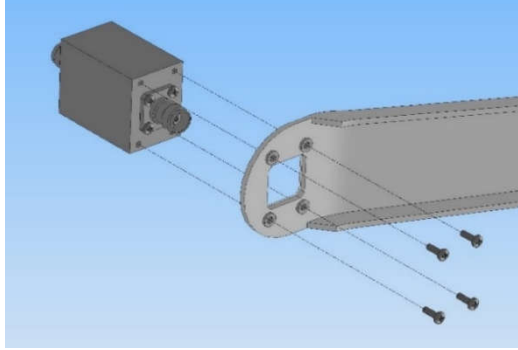
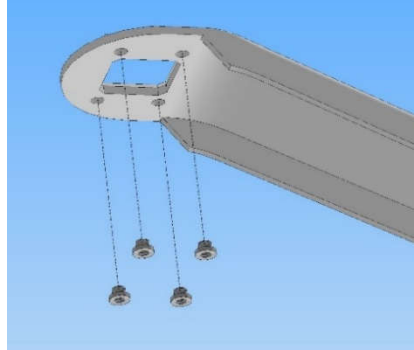
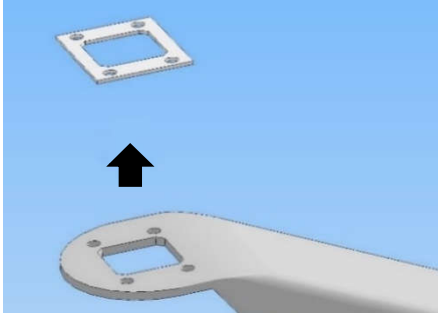
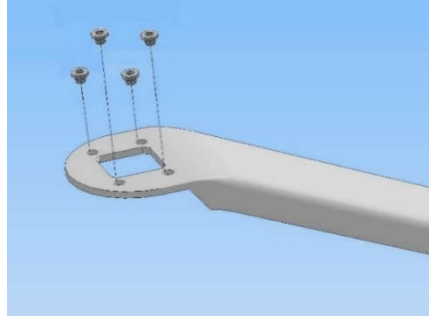


1. The ANT05/06 must be installed in a restricted access location such that there is no operator access to the equipment or wiring.
2. Ensure connection cabling is adequately rated for the unit's operating current and temperature.

Wall Mount Installation

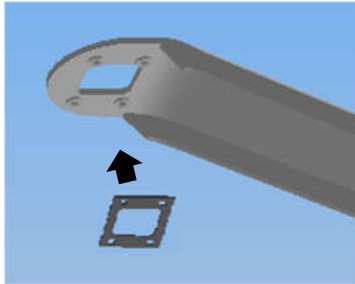


1. The product must be securely fixed in place, and wiring secured, to prevent it moving.
2. Appropriate fixing screws for the type of wall material must be used.

<p>Amplifier Module</p> <p>This section shows the location of the power indicator, the different mounting positions available, and describes how to reposition the amplifier module.</p> <p>The amplifier may be placed in one of four different positions (shown below). The amplifier comes fitted in position 1, but can be moved to positions 2, 3, or 4 if desired by the installer.</p>			
<p>1. On top, antenna upwards (as shipped)</p> 	<p>2. On top, antenna downwards.</p>  <p>Follow steps 1 and 6.</p>	<p>3. Underneath, antenna upwards.</p>  <p>Follow all steps.</p>	<p>4. Underneath, antenna downwards</p>  <p>Follow all steps.</p>
<p>The following steps describe how to reposition the amplifier, if required.</p>			
<p>Step 1: Remove the four screws holding the amplifier module. (Positions 2, 3, and 4).</p> 		<p>Step 2: Remove the insulating washers from the underside. (Positions 3 and 4).</p> 	
<p>Step 3: Peel off the rubber insulator. (Positions 3 and 4).</p> 	<p>Step 4: Refit the insulation washers. (Positions 3 and 4). Note: The amplifier body must be insulated from the bracket. Do not leave the washers off.</p> 		

Step 5: Stick the spare rubber insulator supplied with the product on the underside. (Positions 3 and 4).

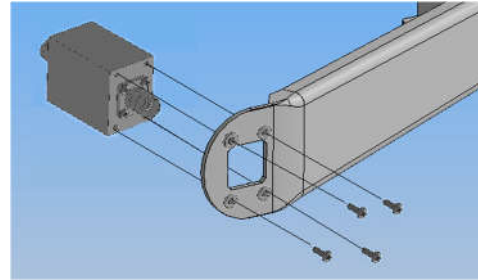
Rubber insulator: ASL part number M0618-35.



Note: The amplifier body must be insulated from the bracket. Do not leave the insulator off.

Step 6: Fit and screw the amplifier module onto the bracket in the desired position. (Positions 2, 3, and 4).

Note: The amplifier body must be insulated from the bracket. Do not leave the washers off.

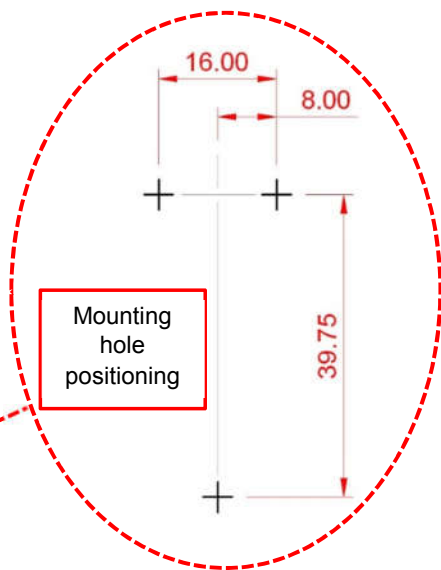
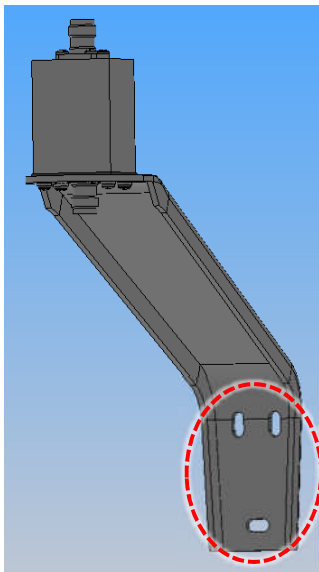


Note which connector is for the antenna, indicated by the antenna symbol (shown on left), and refit the amplifier with the orientation as desired.

Installation

This section shows how to mount the assembly to the wall, then how to fit the antenna and connection cable.

Step 1: Mount the assembly to the wall



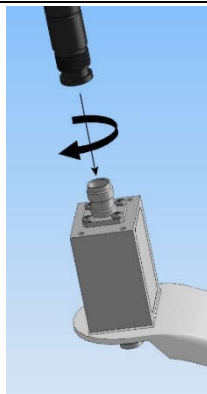
Mounting hole positioning

For best performance, ASL recommends mounting the product in a location that has line-of-sight to the transmitting devices and is not nearby to large metallic structures.

ASL recommends A4 grade stainless steel M4 fixing screws and washers but the installer must choose fixing screws, washers, and wall plugs suitable for the wall material and weight of the product. Be careful to avoid scratching the paint work on the bracket during installation.

Note that the mounting hole positions are identical to ANT03. Therefore, this product can replace an existing ANT03 installation.

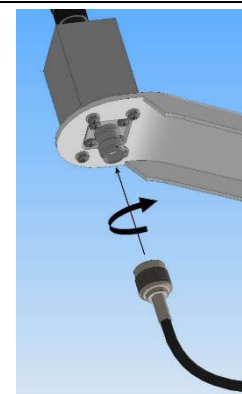
Step 2: Fit the antenna to the end that has the antenna symbol



Antenna symbol

Step 3: Fit the connection cable.

Note that the cable connection is identical to ANT03.



This product must be disposed of in accordance with the WEEE directive.

Service and Warranty

Name and Address of Authorised Distributor:

This product carries a full warranty. For full details of warranty and service agreements, please contact the Authorised Distributor who supplied the product to you.

Exclusions

The warranty does NOT cover:

1. Customer misuse, including incorrect installation.
2. Damage other than manufacturing defects.
3. Transit / Courier damage.
4. Incorrect voltage or power supply used.
5. Incorrect input signal.
6. Abnormal environmental operating conditions.
7. Damage incurred by accident, fire, lightning or other hazard.
8. Modification to the unit or inexpert / attempted repair.
9. No fault found – where no fault can be found after extensive testing, indicating user error or failure in ancillary equipment.
10. Electronic assemblies which are improperly packed when returned for repair or service. All electronics assemblies must be properly packed in ESD protective packing for transport to prevent physical and ESD damage.

Should any of the above apply, Application Solutions (Safety and Security) Limited reserves the right to raise any relevant charges to the customer.

Application Solutions (Safety and Security) Limited shall not be liable for any indirect, special or consequential loss or damage (including without limitation any loss of profits) arising from the use of this product or for any breach of this warranty.

In the interest of continual product development, Application Solutions (Safety and Security) Limited reserves the right to make changes to product specification without notice or liability.

