

Omni FM Aerial Kit

29911LAB

Labgear

USER GUIDE

This kit contains an omni directional aerial for receiving FM radio signals plus all the fixtures, fittings and cable required to install it. For best results the aerial should be mounted externally away from power and signal cables either on an outside wall or on the eaves. If this is not practical, loft mounting is an alternative although this may reduce the quality of the FM radio signal received. The circular design allows reception through 360° and is therefore ideal for receiving signals from more than one transmitter.

Contents

- Omni FM aerial semi assembled
- Wall/loft mounting bracket and angled mast
- 10m digital quality coaxial cable
- 15 cable clips
- 4x coach bolts and wall plugs
- Aerial clamp
- Coaxial plug

Installation

1. First loosen the screw on the clamp located on the underside of the aerial boom shown in Fig. 1
2. Push the two semi-circular sections of the aerial into the clamp and terminal housing (see Fig. 2). Ensure that the drilled holes are positioned inside the terminal housing.
3. Make sure the lower part of the semi-circular sections are pushed in tight then tighten the screw on the clamp.
4. Before preparing and stripping the cable ready for connection, feed the coaxial cable through the hole in the terminal cover.
4. Strip 35mm of the outer sheath of the cable and peel back the braid and foil. Twist the braid together into a single strand and trim away the foil. Strip 20 mm of the insulating sheath to bare the central conductor.
5. Feed the central conductor into the slot on one terminal and fix in position with one of the self tapping screws provided, making sure that the screw locates in the tapped hole in the semi-circular section. Similarly feed the twisted braid into the other terminal and secure (see Fig. 3).
5. Replace terminal cover carefully and securely making sure that the cable is not trapped or kinked.
6. Choose a position for mounting the aerial and drill four holes in the wall on which the wall mounting bracket is to be mounted using the bracket as a template. Then fix the bracket and mast to the wall using the screws and wall plugs supplied.
7. Secure the cable to the wall with the cable clips and run to a wall outlet or prepare the cable and fit the coax plug supplied.

Fig. 1

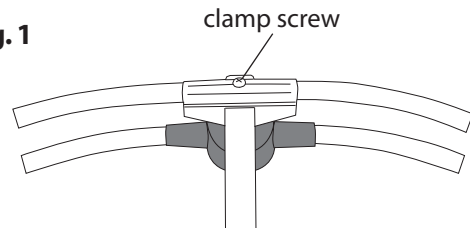


Fig. 2

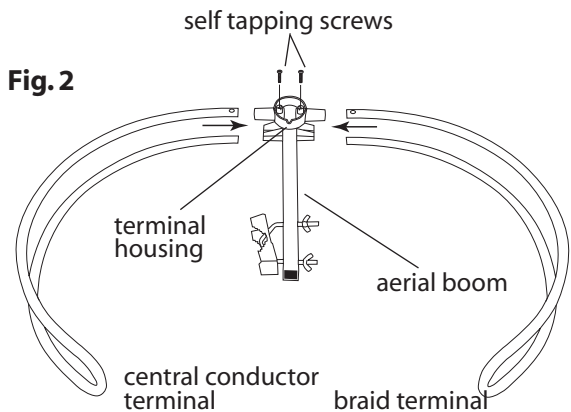


Fig. 3

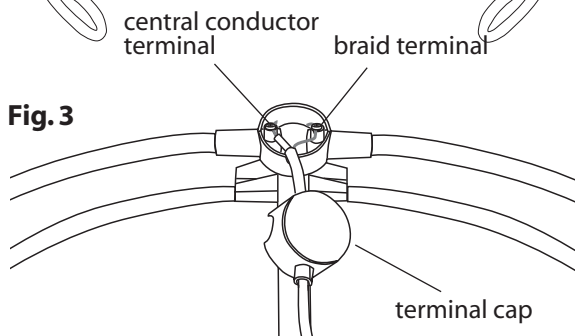
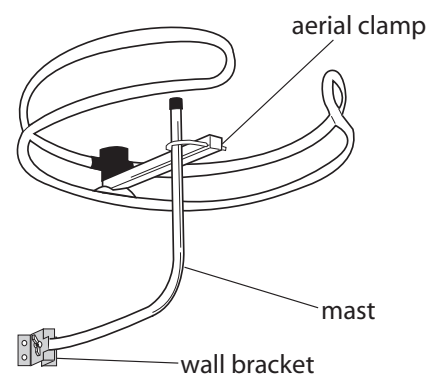


Fig. 4



Safety Warnings

You can reduce the risk of accidents by forward planning.

Before starting installation make sure that the surface/structure to which the bracket is to be attached is in a good state of repair and check for hidden electrical wiring or plumbing.

Beware of overhead power lines when working on installations outside.

If working in a loft or roof space tread carefully and ensure adequate lighting is available.

Always follow manufacturer's operating and safety instructions before using tools and/or equipment.

Always read and follow the manufacturer's instruction label affixed to a ladder before use.

Always route cables or wiring carefully to avoid injury.

Make sure cable is correctly routed before it is fixed into position, take care not to over tighten cable clips.

After installation make regular maintenance checks for wear and tear.

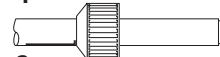
If in doubt consult a qualified electrician or professional aerial installer.

Customer Careline: 08457 573 479

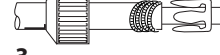
Local rate UK number, Monday to Friday 9am-5pm

Website: <http://www.labgear.co.uk>

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Coax plug wiring instructions

1 Unscrew coaxial plug housing and slide cap over cable.

2 Strip 23mm of cable outer sheath. Gather copper braid, wrap around outer sheath, slide claw over braid and crimp.

3 Strip 18mm of inner insulation to leave 5mm exposed

4 Undo screw on plug/clamp, slide clamp over inner wire & tighten screw. Reassemble plug

5 Trim inner wire flush with plug.