

Before use please read and carefully use in accordance with these safety wiring instructions. To ensure a satisfactory operation these products should be installed by a competent person. These products should not be installed into the same enclosure containing mains exceeding 50V. Avoid running the telecom within 50mm of mains electrical cable.  
**If in doubt, consult a competent electrician.**



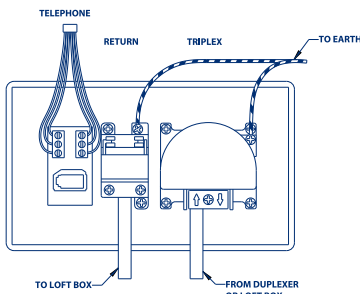
## Wiring Accessories

Screened TV, FM Co-Axial & Satellite Socket Outlet

### Types of Sockets

- Screened** - This type of socket has a metal casing with the terminal connections inside which helps to reduce signal loss and interference from external RF signals.
- TV/FM Diplex** - This diplexer unit separates the TV and FM or TV and Satellite signals, depending on module, from systems where both signals are combined on a single aerial down-lead.
- TV/FM/SAT Triplex** - This triplexer unit separates the TV, FM and Satellite signals from systems where both signals are combined on a single aerial down-lead.
- TV/FM/SAT/SAT2 Quadplex** - This quadplexer unit is similar to a triplexer in that 1 cable is used to combine the TV, FM and Satellite signals but also has an additional input connected to the SAT2 socket.

When supplied in modular form, these outlets can be fitted into Euro module frontplates to give the flexibility of a combination of different outlets in one accessory.



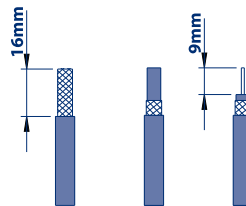
TYPICAL MODULAR ARRANGEMENT

### General Installation Instructions

- If using the new product to replace an old one, note the cable connections and wire up new product in the same way as the old one, with Earthing as stated in these instructions.
- Ensure the mounting box (metal or plastic) for either flush or surface mounting is the appropriate size for the product.
- Route the cable through the most suitable entry point of the mounting box. If a metal box is used a protective cable grommet should be used.
- Strip the cable to the dimensions in the diagram.
- Connect the inner conductor under the central plate and screw. Securely clamp the screening braid under the clamp, ensuring that there are no loose conductor strands that may cause short circuits. To assist with the correct installation of this product please consult the wiring diagram.
- When tightening the screening braid clamp ensure that the cable is firmly gripped and that the inner insulation is not squashed beyond a slight oval shape.
- Always tighten the terminal screws securely, but do not overtighten them. Carefully position the accessory into the mounting box, ensuring that no wires are trapped between the plate and the wall and secure with screws (do not over tighten) then insert screw covers (optional).
- Once work has been completed correctly, the product is ready for use.

Note - If your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

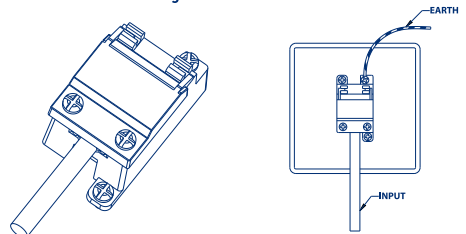
### Cable Preparation



- Step 1: Remove 16mm of the outer sheath.
- Step 2: Twist screening braid back over the inner sheath.
- Step 3: Remove 9mm of inner insulation sheath.
- Step 4: Before fitting to accessory ensure braid does not touch the inner core.

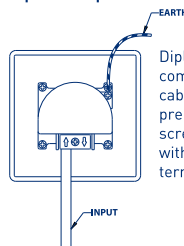
Note: Screened modules are suitable for cables with 1mm inner core.

### Single Screened Outlet



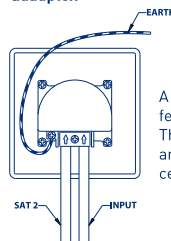
- Fully loosen the two lid securing screws, and open the lid.
- Loosen but do not remove the centre terminal screw.
- Insert the centre copper core of the aerial cable into the terminal hole. Ensure that no loose strands of the copper braid are touching the inner copper core. Secure by lightly tightening the terminal screw.
- Close the lid and tighten the securing screws. Do not overtighten to avoid crushing the cable.
- An earth bond terminal is provided if required.

### Diplex & Triplex

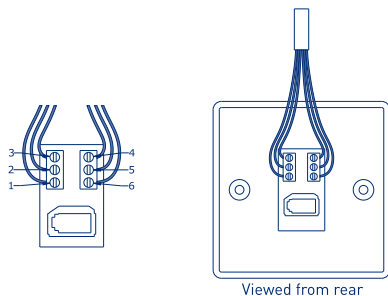


Diplex and Triple modules are used with loft combiner which feed all the signals down one cable. Strip the wire as advised and insert the prepared cable into the hole provided. The screened braid is drawn back and laid in contact with the clamp/case and screwed down. Earth terminal is optional and use only if required.

### Quadplex



A Quadplex module is used with combiner which feed the signals down one cable into the "IN" port. The SAT2 port is not connected to the "IN" side and is for a separate cable that is required on certain installations.



Viewed from rear

**Screw Type Connection**

The ends of the individual conductors should have the insulation removed by approx. 8mm. Connect each wire as per the BT Wiring Scheme. Ensure that only the bare end of the wire enters terminal and that no bare wires are visible. Always tighten the terminal screws securely.

BT Wiring Scheme	
Pin	Colour
1	Green with White rings
2	Blue with White rings
3	Orange with White rings
4	White with Orange rings
5	White with Blue rings
6	White with Green rings

Note - An existing installation may use a different wiring colour code system. It is essential that the new product is wired up in the same way as the old one. The simplest way is either to label each conductor with the location of the terminal to which it connects as you release it or to transfer one conductor at a time to the corresponding terminal on the new product.

**Additional Advice for Decorative Products**

Fixing method varies depending on which product range is supplied. Always ensure wall surface is reasonably flat and smooth, with no bumps or projections. Metal frontplates WITH screw fixing holes, fix the unit to the back box using two fixing screws supplied. All Decorative products MUST have an earth connection between the frontplate and back box. Frontplates WITHOUT screw fixing holes. These products comprise main unit with integral gasket, and frontplate as separate item. Fix unit to back box using two fixing screws supplied. Clip frontplate onto main assembly, ensuring screwdriver notch is located bottom right hand corner. To remove plate, place medium size flat bladed screwdriver in notch and lever off against gasket.

**Care**

To maintain the high quality appearance of decorative finish switches and sockets, BG Electrical recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation. BG Electrical recommends avoiding using, but not restricted to, these substances from becoming in contact with the decorative metal front-plates when cleaning or decorating:

- Adhesive tape, including low tack masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.

Module Description	Frequency Range (MHz)	Insertion Loss (dB)
1 gang TV Module - IEC Male/Female	1-862	0,5
2 gang TV & Satellite Module - IEC Male + Sat-F Female	TV-5-68, 470-862, SAT-950-2400	TV-1,0, SAT-2,0
3 gang TV, Radio & Satellite Module - TV IEC Male + Radio IEC Female + Sat-F Female	TV-5-68, 470-862, Radio-88-230, SAT-950-2400	TV-1,0, Radio-1,0, SAT-2,0
1 gang Satellite Module - SAT-F Female	0-2400	2,0
2 gang TV & Radio Module - TV IEC Male + Radio IEC Female	TV-5-68, 470-862, Radio-88-108	TV-1,0, Radio-1,0
4 gang TV, Radio & Dual Satellite Module - TV IEC Male + Radio IEC Female + Dual Sat-F Female	TV-5-68, 470-862, Radio-88-230, SAT1-950-2400, SAT2-0-2400	TV-1,0, Radio-1,0, SAT1-2,0, SAT2-2,0

**ASTA Approved**

The ASTA quality mark is evidence that the product has been independently tested to comply with the relevant clauses of the applicable standards.



**Batch Code explanation**

yyWxx Manufacturing date code, year of manufacture (yy) and week of manufacture (Wxx)

**Address/Helpline**

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**+44 (0)3300 249 279**  
[technical.support@bgelectrical.co.uk](mailto:technical.support@bgelectrical.co.uk)

**Environmental Protection**



This symbol is known as the "Crossed-out Wheeled Bin Symbol". When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.