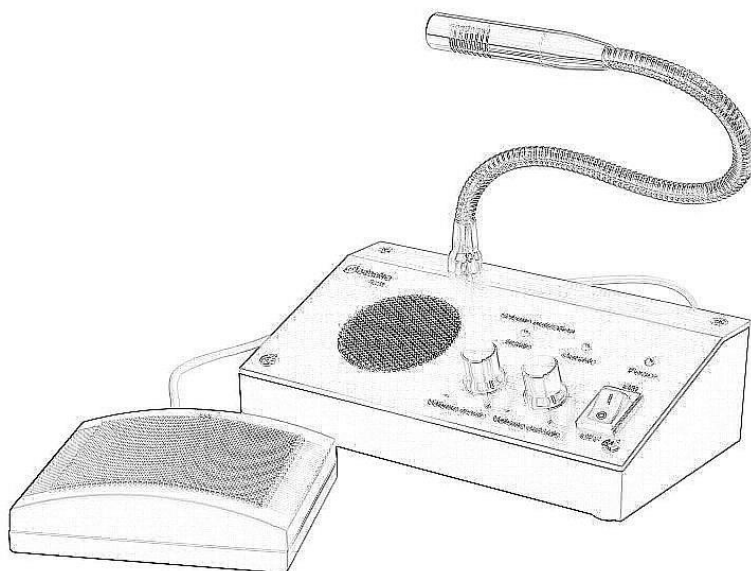


# TGM4

## 2-way Counter-top Intercom

Item ref: 952.828UK

User Manual



Version 1.0



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## Introduction

Thank you for choosing the TGM4 counter-top intercom for your through-glass or through-partition communications installation. This system is easy to install and use and offers flexibility to enable 2-way conversation in a variety of service applications.

Please read this manual for correct operation and keep for future reference.

## Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture. If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case.

No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

## Safety

- Check for correct mains voltage before connecting the power adaptor
- Use only the power adaptor provided or an identical replacement (9Vdc, 300mA+)

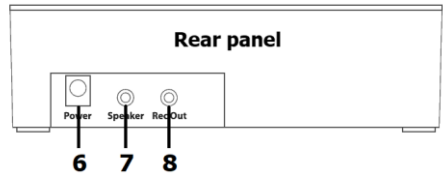
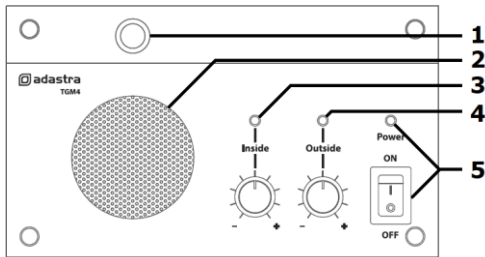
## Placement

- The TGM4 main unit is a free-standing unit with a gooseneck microphone.
- The microphone is not detachable.
- Ensure that the gooseneck microphone is positioned to hear the operator clearly
- The client speakerphone can be positioned on a flat surface or upright on a wall or window.
- Ensure that the speakerphone is positioned to hear the client and be heard by the client easily.
- It may be necessary to drill holes or channels to feed the speakerphone cable and/or power cable.

## Cleaning

- Use a soft cloth with a neutral detergent to clean the housing as required
- Use a vacuum cleaner to clear apertures and controls of any dust or debris build-ups
- Do not use solvents for cleaning the unit

## Connections & Controls



- |  |  |
|--|--|
| 1. Gooseneck microphone                          | 5. Power on/off switch & LED                 |
| 2. Main unit loudspeaker                         | 6. 9Vdc power inlet                          |
| 3. INSIDE main unit speaker volume control & LED | 7. Client speakerphone connection 3.5mm jack |
| 4. OUTSIDE client speaker volume control & LED   | 8. Recording output 3.5mm stereo jack        |

## Setting up

The TGM4 comprises a main unit with integral gooseneck microphone for the operator and a speakerphone for the client side of the window or partition.

The main unit should be free-standing on a surface close to the operator so that the gooseneck microphone can be positioned to easily pick up the speech of the operator. This unit is powered using the 9Vdc power adaptor provided.

With the power switch (5) in the "off" position, connect the plug-top adaptor to the 230Vac mains supply and the DC connector into the 9Vdc inlet on the rear panel of the TGM4 (6).

The client speakerphone should be positioned so that the client can hear the output of its miniature loudspeaker and the internal microphone can pick up the speech of the client. This may be flat on a counter-top or upright on the dividing window or partition. A keyhole on the rear of the speakerphone allows it to be fixed with a screw if needed or double sided self-adhesive pads may be used.

The lead from the speakerphone is terminated with a 3.5mm plug and must be fed through the partition to the main unit and connected to the socket labelled "Speaker" (7)

If the intercom conversations are to be recorded or monitored, the TGM4 has another 3.5mm socket which provides a line level audio signal of both gooseneck and client microphones that can be connected to a recording device or other audio equipment. This socket is wired in stereo and the gooseneck microphone is fed to the right channel and the client speakerphone is fed to the left channel.

## Operation

Turn both INSIDE and OUTSIDE volume controls (3, 4) fully down (anticlockwise) and switch the power on to the main unit (5) - the LED power indicator will light to show that power is on.

Gradually turn the OUTSIDE volume control (4) clockwise and speak into the gooseneck microphone, checking for output from the client speakerphone until the volume is adequate for the surroundings.

Do the same for the speakerphone by gradually turning the INSIDE volume control (3) clockwise and speaking close to the speakerphone until it can be clearly heard through the loudspeaker of the main unit.

During operation, it may be necessary to adjust these volume controls as the ambient noise changes. Each Volume control has a corresponding LED to indicate the sound that its microphone can detect (3, 4). If the client cannot hear the operator, increase the OUTSIDE volume control (4).

If the operator cannot hear the client, increase the INSIDE volume control (3).

The TGM4 has a suppressor circuit to help avoid each unit from hearing its own speaker which could result in feedback. This circuit reduces the sound of one microphone as the other is being used, delivering the 2-way conversation in a controlled manner. The operator or client do not need to activate any switches and the process is completely hands-free. Only occasional volume adjustments may be needed from the operator. It is helpful if the main unit and speakerphone units are not positioned toward each other or in very close proximity. If there is feedback (howling or squealing caused by a microphone hearing its own output through a speaker), one or both of the volume controls may need to be turned down to mitigate this effect.

When not in use, turn down the volume controls and switch off the power. If not being used for long periods, unplug the 9Vdc adaptor from the mains supply.

## Specifications

Power supply	9Vdc, 300mA min. (adaptor supplied)
Controls	2 x volume control & power on/off
Connectors	3.5mm TRS speakerphone, 3.5mm stereo record out
Lead length	1.6m (hard-wired to speakerphone)
Dimensions: main unit	158 x 87 x 46mm
Dimensions: microphone	285 x 113mmØ (fixed to main unit)
Weight: main unit	347g (inc. microphone)
Dimensions: client speakerphone	91 x 77 x 23mm
Weight: client speakerphone	87g (inc. lead)



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.  
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