ROOMLINK RL-SP3 STARTER PACK

Installation Document

ROOMLINK is designed to offer the benefits of controlling your remote control video or hi-fi system from any room you choose.

ROOMLINK is derived from the more sophisticated award winning SYSTEMLINE multi-room system, and as such benefits from the considerable design expertise gained with that project.

ROOMLINK works by allowing the original hi-fi system (or video) remote control handset to be used from any room you choose, the infra-red codes being received by a wall mounted sensor placed in the extension room. The sensor then relays the codes back to the equipment in the main room. In addition to the sensor, a speaker on/off switch or Speaker Volume Control is normally fitted in the extension room, as this allows local control over sound selection. (see section 3 for examples).

NOTE: **"Please note that a small number of IR codes will not pass through Roomlink successfully. Please ensure complete operation before running wires and installing back boxes etc." ROOMLINK is not suitable for use with most B&O and some satellite and cable equipment, as their infra-red carrier system operates at a non-standard frequency.**

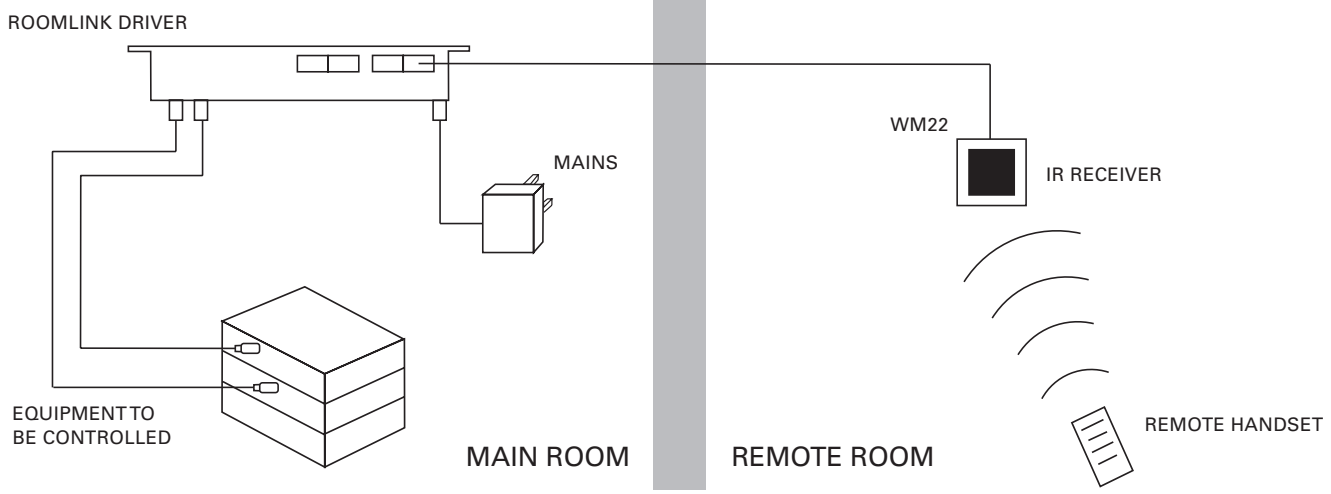
STARTER PACK 3 CONTENTS

ROOMLINK is available as a starter pack which incorporates the following:

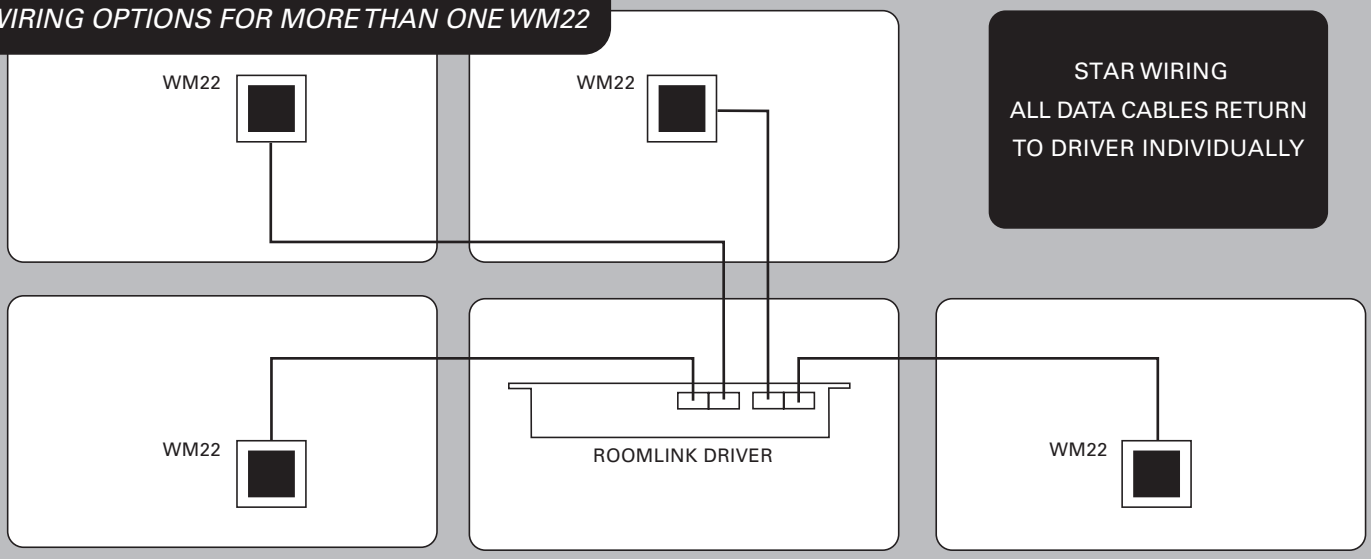
1) ONE x ROOMLINK DRIVER
2) TWO x FLOOD EMITTERS (SL-FE)
3) ONE x PLUG TOP POWER SUPPLY (UK ONLY)
4) ONE x ROOMLINK SENSOR (including plug-in connector)
5) TWO x WINDOW EMITTER PACKS (SL-DE)

3 INSTALLATION EXAMPLES

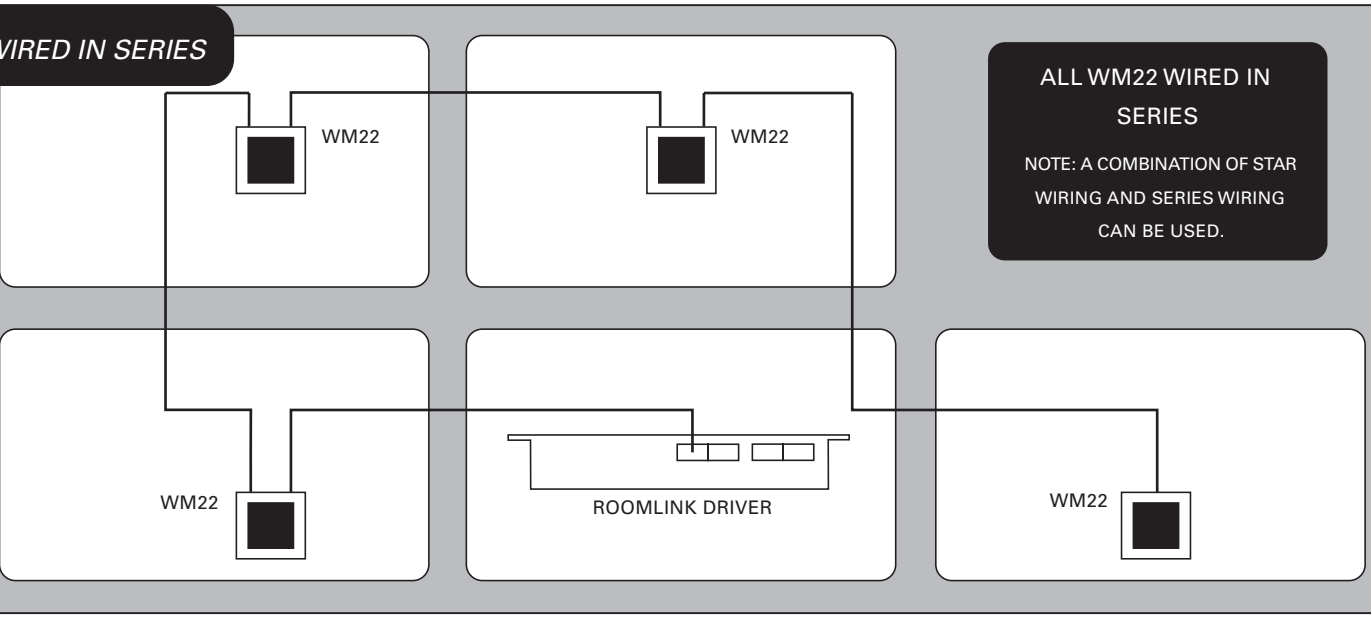
BASIC CONNECTION



WIRING OPTIONS FOR MORE THAN ONE WM22



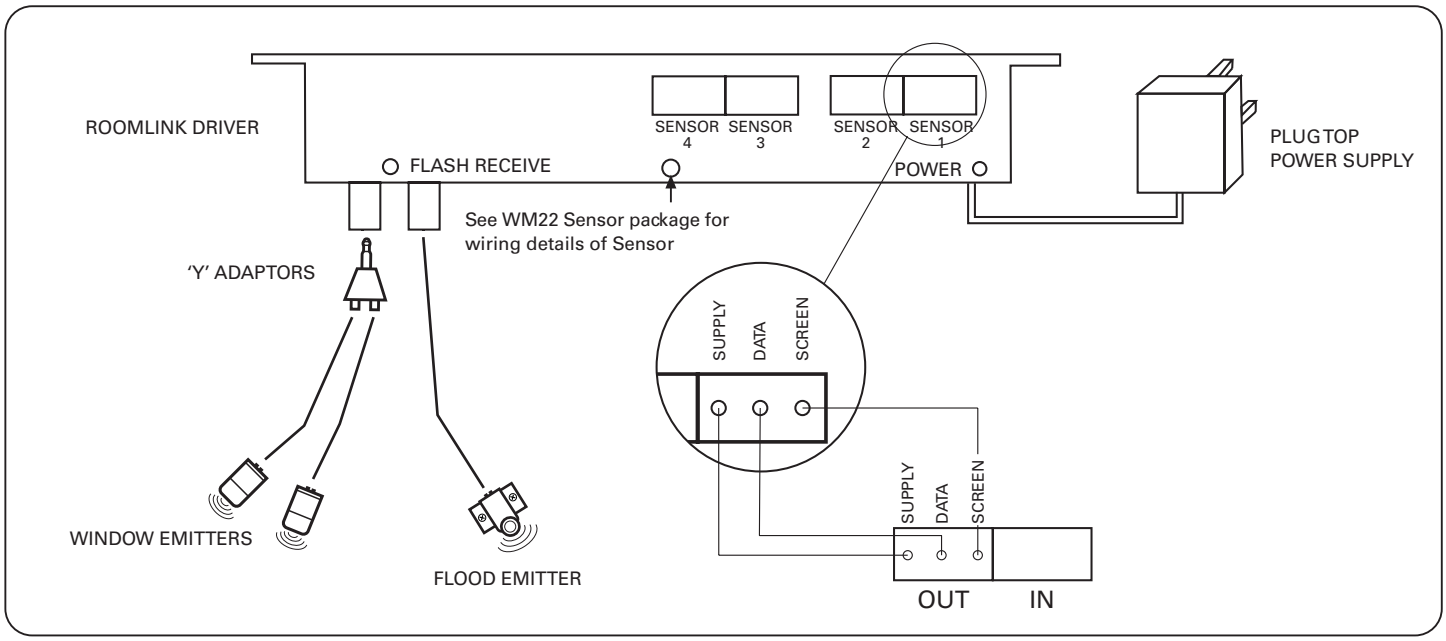
WIRED IN SERIES



With the ROOMLINK starter pack, only one pair of speakers plus the appropriate cabling needs to be added to achieve a basic fully operable extension room system.
Additional rooms may be serviced, by purchasing extra ROOMLINK SENSORS (WM22) as required. A maximum of eight Roomlink sensors is the limit for any installation, using the M12VDC 1A supply.

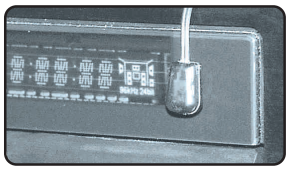
4 WIRING DIAGRAM

Everything connects to the ROOMLINK DRIVER. Up to four FLOOD EMITTERS (SL-FE) and WINDOW EMITTERS (SL-WE) may be plugged into the two 3.5mm jack sockets using the Y-Adapters provided. The plug-top power supply plugs into the D.C. jack, and the ROOMLINK SENSOR (WM-22) connectors plug into the socket strip.



WINDOW EMITTER (SL-WE)

This is a version of the standard window emitter which can be stuck directly on to the infra-red 'window" of the hi-fi system, video or satellite receiver used. Remove protective backing, and press lightly into place. Once successful operation has been proven, press firmly into place.



FLOOD EMITTER (SL-FE)

This is an emitter that can be stuck or screwed (screws not supplied) directly to the cabinet housing the source equipment. It permits the 'repeated' IR command to be flooded to all the source components.

5 INSTALLATION GUIDANCE

The key to a good installation is positioning. As can be seen from the application examples, the ROOMLINK DRIVER can be placed out of sight behind the equipment, but the FLOOD EMITTERS must be placed in front of the equipment. The best solution is to use the WINDOW EMITTER (see WINDOW EMITTER instructions) as this attaches directly to the infra-red window of the system, but when systems are comprised of individually remote controlled separate components, a FLOOD EMITTER can be used. The closer these are positioned to the equipment the poorer the receiving angle becomes. It is therefore recommended that initially the FLOOD EMITTER is positioned some distance away. After correct operation of the FLOOD EMITTER has been established, try moving it closer to the equipment.

Double check that everything still works properly prior to securing the WINDOW EMITTERS by removing the protective backing to the underside of the adhesive strip and pressing firmly in place. The FLOOD EMITTER can also be secured using screws through the holes provided.

An even better arrangement is to conceal the equipment in a cupboard and secure the FLOOD EMITTER face down to the underside of the top of the cupboard, so that it is completely out of sight.

The main consideration for the ROOMLINK SENSOR (WM22), apart from locating it in line of sight of the remote control handset, is to AVOID DIRECT INTENSE LIGHT. Spot lamps should be directed away from the Sensor and close proximity to fluorescent lights should be avoided. Sunlight also encompasses the infra-red spectrum, so care should be taken to place the Sensor out of the path of direct bright sunlight.

The ROOMLINK SENSOR can be mounted in essentially one of two ways. It can be fitted flush on to a wall using an M.K. 866 ZIC pattress box (U.K. only) or by using 35mm deep clip-in stud partition wall box (particularly useful for ceiling mounting as well as wall mounting).

6 CHECKING THE INSTALLATION

ROOMLINK uses the most sophisticated infra-red relay system in the market place today, so 100% reliable operation is normal. ROOMLINK is designed to be a plug-in adjustment-free product.

It is however wise to follow the checking procedure to make sure that everything is working properly.

When the plug-top power supply is plugged in, the "power" LED on the ROOMLINK DRIVER will illuminate.

From each of the extension rooms, confirm that when the system (or video) remote handset is pointed at the SENSOR and a button is pressed, that the SENSOR flashes to acknowledge receipt of the code. Repeat the same exercise , but this time ask a friend to watch the 'flash receive' LED on the ROOMLINK DRIVER. This should also flash on receipt of a code.

It should now be possible to operate your hi-fi (or video) from any of the extension rooms. Again help from a friend in watching the equipment respond to the received codes may prove useful.

OPTIONAL ACCESSORY

Spread Spectrum Super Infra-red Window Emitter (SL-SE)

Where signalling difficulties are encountered with the standard WINDOW EMITTER (SL-WE), this special unit provides a broader spectrum of IR frequencies to ensure wider compatibility (840nm to 940nm).

Additionally, there is a red LED which ‘blinks’ to confirm successful transmission when outputting IR data.

7 FAULT FINDING

If either of the flash receivers in the SENSOR or Driver fail to respond, first check the accuracy of the wiring and the quality of the connections. With both flash receivers working, and the hi-fi or video still failing to respond to the transmitted codes when the FLOOD EMITTER is being used, it may be necessary to move the FLOOD EMITTER further away - say one metre (3ft) and it should now work. Then gradually move the FLOOD EMITTER nearer whilst continually checking the reliability of code reception.

One useful tip, is to check the receiving angle of the equipment in use, with it's own handset. If it works at an acute angle, there should not be a problem with ROOMLINK Transmitter placement.

QED AUDIO PRODUCTS LTD, Unit 16, Woking Business Park, Albert Drive, Woking, Surrey. GU21 5JY.
Tel: +44 (0) 1483 747474 **Fax**: +44 (0) 1483 545600 **Email**: panic@qed.co.uk **Internet**: www.qed.co.uk