



*For the Best*

**34MM-IRKIT-W**

Wireless IR Remote Control  
Extender Kit

QUICK GUIDE



## Important-Safety Precautions

To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near water.

To avoid electrical shock, do not open this product. The power supply must be of the same voltage as the local area. Do not overload wall outlets and extension cords as this can result in the risk of fire or electrical shock.

Refer servicing to qualified personnel only.

**Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's warranty.**

### Note:

This equipment has been tested and found to comply with CE EMC, LVD directive.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a power circuit different from that to which the receiver is connected
- Consult the supplier or an experienced technician for help

## A. Checking Contents of Box

Check to ensure all of the components shown as below are included with your wireless IR remote control extender system. If something is missing, please contact your dealer as soon as possible.



1 x Transmitter



1 x Receiver



1 x IR extender connected  
to receiver's rear panel



2 x Power adapter  
(100-240VAC to 9VDC)  
DC in Jack (9V 600mA)

## B. Using the Device

1. The supplied power supply or exact equivalent must be used with the device.
2. Be sure the transmitter and the receiver are connected to power supplies.
3. In some situations where two or more devices are being used within 50m of each other at the same time some interference to operation may occur.
4. If another device of similar operating frequency is used within range of this equipment some interference to operation may occur.
5. Make sure the remote control is within receiving range of the transmitter and the receiver or IR extender is in the correct range and position to control the source. You may need to adjust the position of the devices for the optimum performance. Sometimes placing the IR extender directly over the IR receive window of the source can cause local interference so you may need to adjust the position of the IR extender pad slightly away from the source receiver window for best performance.
6. The LED of the receiver and the transmitter's IR remote control window will flash when receiving remote control IR signals

**Caution: If the receiver's indication LED flashes when the transmitter is not operating, it indicates there is interference in the environment. This may cause interruptions or interference to operation of the device.**

## C. Panel Controls and Features of System

The following illustrations show the names of each component on the transmitter and receiver.

### TRANSMITTER AND RECEIVER FRONT VIEW

Remote control window.  
The infrared passes through  
this to remotely control  
the source.



### REAR VIEW

#### RECEIVER



DC Power  
Input

IR  
Extender

Power  
Switch

#### TRANSMITTER



DC Power  
Input

Power  
Switch

## D. How to Use the IR Remote Control Extender

This IR remote control extender will give you the ability to control the source remotely using your existing remote control. It converts the infrared (IR) signal emitted by your remote control to a radio frequency (RF) signal in the UHF band at the transmitter and sends it back to the receiver where the RF signal is converted back to the original IR signal for the audio/video source.

There are two ways to control your source A/V equipment using this kit.

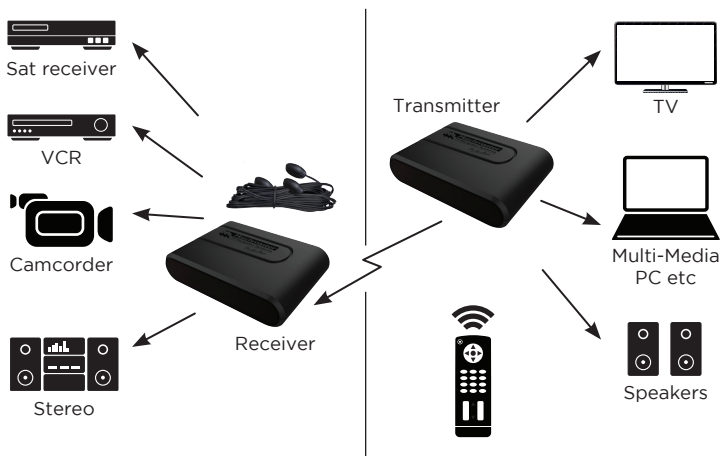
1. To position the receiver unit face to face with the source equipment, this will allow the converted IR signal from the receiver to be blasted to the source equipment front IR receiver panels.
2. Connect the IR extender accessory from the receiver and locate one of the extender pads near the source IR receive panel.

Occasionally it may be difficult or even impossible to orient the receiver unit such that it can be “seen” (face-to-face) by the A/V equipment you wish to control, in this case please use the supplied IR extender accessory.

## How To Use The IR Extender Accessory

The IR extender accessory connects to the receiver through its own special connector plug. The extender accessory emits an IR signal, blasting your A/V equipment with the remote signal. To use the IR extender accessory, follow the instructions below:

1. Plug the IR extender into the receiver rear panel.
2. Orient the end of the IR extender so that it points in the general direction of the IR sensors of the source AV equipment you wish to control. Use a piece of provided fastener strip to secure the IR extender pad in its position.
3. Position the RF transmitter so that your remote control signal can strike the IR window on the front of the unit. To use your remote control, point it at the front of the receiver.



## E. Troubleshooting, Care and Maintenance

Please read this owner's manual carefully and follow the steps described in it. If you still have difficulties, consult the following table. It will guide you through the most common problems and their solutions.

Problem	Possible Solution
Remote control extender does not work	<p>Check the path between the receiver and the audio/video source and clear any obstructions.</p> <p>Check to see if the IR window on the front of the receiver is blocked.</p> <p>Make sure the IR extender accessory is properly located on the A/V equipment you wish to control. (see section on "How to use the IR Remote Control extender" in this manual)</p> <p>Adjust remote control antennas.</p>

**Note:** Clean the outside plastic housing with a soft cloth lightly moistened with mild soap and water. Never use any abrasive scouring powder or solvent.



## F. Specifications

### Transmitter:

Max. RF output Level	10mW Operation
Carrier frequency	433.92MHz
Power Supply	9VDC / 600mA
Dimension	72mm x 50mm x 18mm
Weight	35g

### Receiver:

Receive Sensitivity	-82dBm
Carrier frequency	433.92MHz
Power Supply	9VDC / 600mA
Dimension	72mm x 50mm x 18mm
Weight	34g

### System:

Operation temperature range	0°C~50°C
Remote control range	Up to 50m

All specification subject to change without notice

---

AU Technical Support **1800-AERIAL**<sup>237425</sup>  
[www.matchmaster.com.au](http://www.matchmaster.com.au)

NZ Technical Support **0800-AERIAL**<sup>237425</sup>  
[www.matchmaster.co.nz](http://www.matchmaster.co.nz)