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**Pro.2<sup>®</sup>**

**IRE12**  
433MHz IR REMOTE CONTROL EXTENDER

# **USER'S MANUAL**

(PLEASE READ BEFORE USE)



PLEASE CONSULT THE BACK COVER OF THIS OWNER'S MANUAL FOR MODEL AND FEATURE

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## ● Important-Safety Precautions

To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool. To avoid electrical shock, do not open this product. The power supply must have 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 avoid the user's authority to operate the equipment.**

### ● 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 circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV 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. Transmitter ×1



2. Receiver ×1



3. IR extender to connect to receiver's rear panel ×1



4. Power adapter ×2  
(240VAC to 9VDC) ⚠  
DC in Jack (9V  $\overline{\text{---}}$  600mA ⊖ ⊕)

5. Owner's manual ×1

## B. The Using Attention

1. The outlet of the power supply must have the same voltage as the local area.
2. Be sure the transmitter and the receiver were connected to power supply.
3. In some situation, there are two or more equipment is used within 50m at the same time, perhaps the equipment may not work well.
4. Please do not use another one which operation frequency is similar to when the equipment is working.
5. To make the remote control face to the transmitter's IR Remote control window, and the receiver's IR remote control window (or extender accessory) to the source equipment, the IR remote distance should be in the specified range.
6. The LED of the receiver and the transmitter's IR remote control window would flash if receiving the remote control signal when there is not harmful interference in the ambient.

**Caution: If the receiver's indication LED flashes when the transmitter is not operating, it indicates there is interference in the environment. Then perhaps, you can't control the system so well.**

## C. Panel Controls and Features of Universal Type

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

### FRONT VIEW FOR TRANSMITTER AND RECEIVER

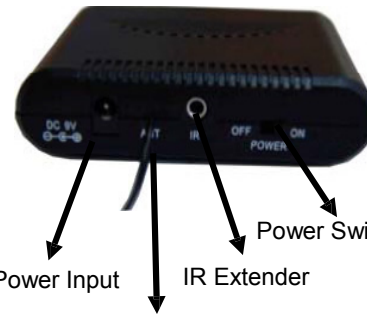


infrared passes through this to remotely control



Remote control window

### REAR VIEW FOR TRANSMITTER AND RECEIVER



DC Power Input

IR Extender

Power Switch

433MHz ANT



DC Power Input

433MHz ANT

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 using your existing remote control device. It converts the infrared (IR) signal emitted by your remote control to a radio frequency (RF) signal in UHF band at the transmitter and sends it back to the receiver where the RF signal is converted back to the original IR signal and beamed to the audio/video source.

There are two means to make your source A/V equipment can be controlled well by existing remote control through IR remote control extender.

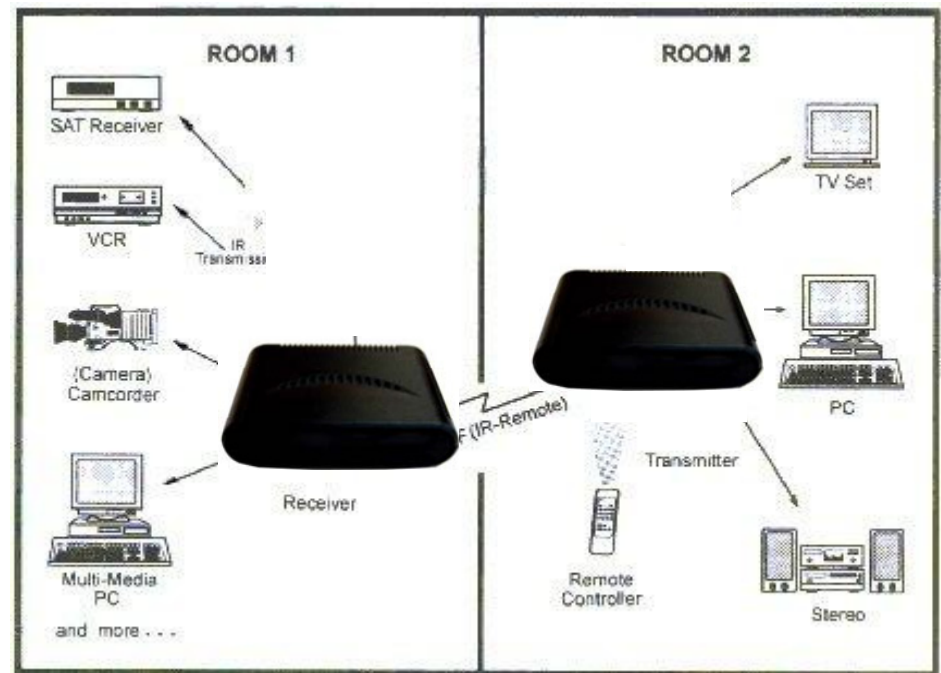
1. To orient the receiver unit face to face the source A/V equipment, this would allow the converted IR signal which from receiver IR remote control window be able to send to the source A/V equipment(s) front panel.
2. Simply connect an IR extender accessory from receiver and locate this IR extender accessory near the source A/V equipment from panel.

Occasionally it may be difficult or even impossible to orient the receiver unit such that it can be "seen" (means face-to-face) by the A/V equipment you wish to control. Perhaps there is no good surface that allows for this or perhaps you wish to remotely control A/V equipment's in different locations without re-orienting the receiver, in this case, to use in extender accessory will be more convenient.

## How To Use The IR Extender Accessory

The IR extender accessory was connected to the receiver through its own special Connector plug. The extender accessory emits an IR signal, bathing your AV equipment with the remote signal. To use the IR extender accessory, follow the instructions below:

1. Plug the IR extender into the transmitter in 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 be controlled. Cut a length of provided fastener strip to secure the IR extender, which is always in its position.
3. Position the receiver so that your remote control signal can strike the IR window on the bottom 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 dose 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 top front of the receiver is blocked.</p> <p>Make sure IR extender accessory is properly rotated in 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 packaging 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	10 mW Operation
Carrier frequency	433.92MHz
Power Supply	9VDC / 600mA
Dimension	72mm×50mm×18mm
Weight	35g

**Receiver:**

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

**System:**

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

All specification subject to change without notice