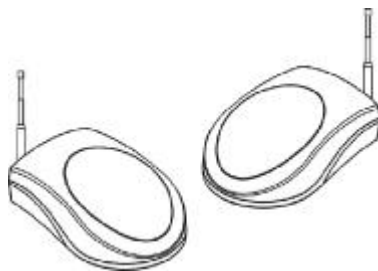


# DIGITAL REMOTE CONTROL EXTENDER

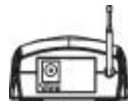
MODEL :DIR-500

**OWNERS MANUAL**



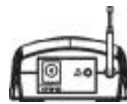
## LOCATION OF CONTROLS

Transmitter Side



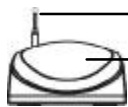
DC Power

Receiver Side



DC Power IR Probe

Transmitter and  
Receiver Front



Infrared Remote  
Control Antenna

Remote Control  
Indicators &  
IR Transmitter/Receiver

## Accessory



DC 12 V  
AC 120V  
Adaptor x2



Infrared  
Extender X 3  
1,1.5.2m in length

**CAUTION:****Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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 instructions, 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **IMPORTANT SAFETY PRECAUTIONS**

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT SUBMERGE OR EXPOSE THIS PRODUCT TO WATER.
- TO AVOID ELECTRIC SHOCK, DO NOT OPEN THE UNITS. THE DIR-500 CONTAINS NO USER SERVICEABLE PARTS. DOING SO WILL VOID THE WARRANTY.
- USE ONLY THE POWER SUPPLY PROVIDED WITH THE DIR-500
- DO NOT OVERLOAD WALL OUTLETS OR EXTENSION CORDS.
- IF YOU ARE EXPERIENCING DIFFICULTY WITH THIS PRODUCT, DO NOT ATTEMPT TO SERVICE IT YOURSELF. PLEASE CALL YOUR VENDOR FOR ASSISTANCE.

### **Product Description**

The DIR-500 Wireless Infrared Remote Control Extender enables you to extend the range of your present Infrared Remote Control so that you can operate VCRs, stereos, Cable Converter, Satellite receivers, etc., virtually anywhere in the home.

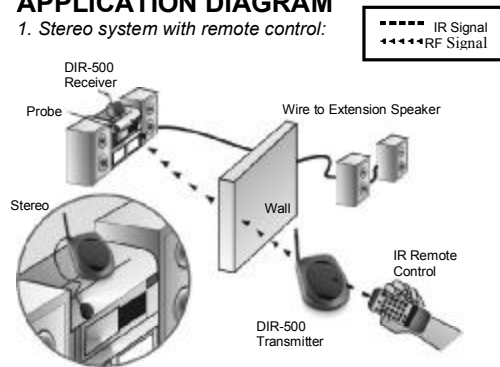
### **Applications**

The remote operation of electronics products that utilize IR (Infrared) remote control technology such as:

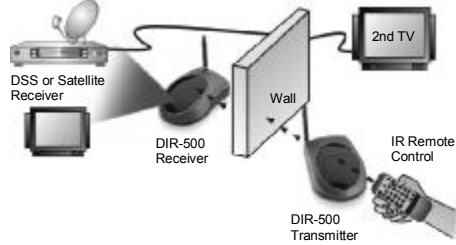
- **Satellite Receivers**
- **Television**
- **VCR's (Video Cassette Recorders)**
- **CDs (Compact Disc)**
- **DVD's (Digital Video Disc)**
- **LDP's (Laser Disc Players)**
- **Cable Converter Boxes**
- **Audio / Hi-Fi Stereo Systems**
- **Wireless Video Sender Systems**
- **Any IR Remote Controlled Devices**

## APPLICATION DIAGRAM

### 1. Stereo system with remote control:



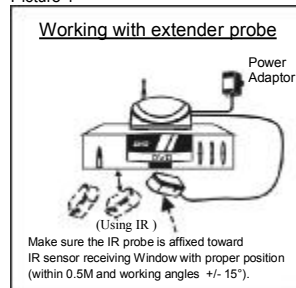
### 2. DSS / Satellite Receiver with remote control:



## Installation & Operation Guide

### Receiver

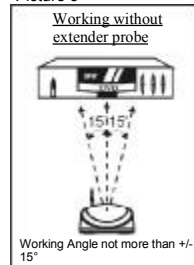
Picture 1



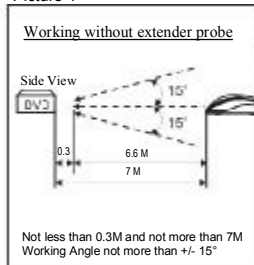
Picture 2



Picture 3

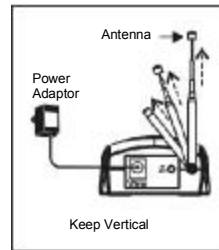


Picture 4

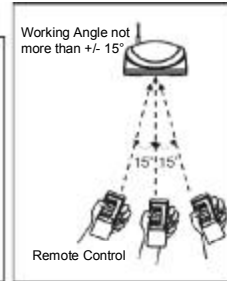


## Transmitter

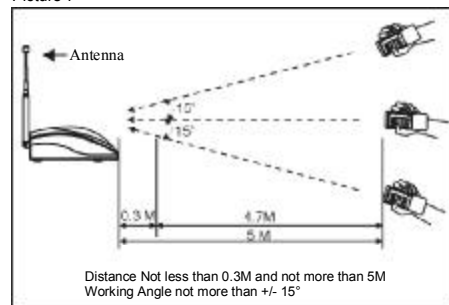
Picture 5



Picture 6



Picture 7



### **Care and Maintenance**

- Keep the DIR-500 Remote Extender dry. If it gets wet, wipe it dry immediately.
- Use and store the DIR-500 only in normal temperature environments. Extreme temperature can shorten the life of electronic devices
- Handle the DIR-500 gently and carefully. Dropping it can damage the circuit board and can cause it to work improperly.
- Keep the DIR-500 away from dust and dirt, which can cause premature wear of parts.
- Wipe the DIR-500 with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents.

### **Specifications**

Operating Voltage .....	110 VAC, 60Hz/ DC 12V, 250mA
Power Consumption (pair).....	3 Watts Max
Transmission Frequency.....	433.92MHz+/-1MHz
Power Gain.....	10dBm
Effective operating range.....	about 100M (clear line of sight)