Wireless IR Kit

Vanco Part Number:
WIR-KIT
WIR-TX
WIR-RX

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.

2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.

3. To prevent risk of electrical shock or fire hazard, due to overheating, do not obstruct unit's ventilation openings.

4. Do not install near any source of heat, including other units that may produce heat.

5. Do not place unit near flames.

6. Only clean unit with a dry cloth.

7. Unplug unit during lightening storms, or when not used for an extended period of time. A surge protector is strongly recommended.

8. Protect the power cord from being walked on or pinched, particularly at the plugs.

9. Use unit only with accessories specified by the manufacturer.

10. Refer all servicing to qualified personnel.

The WIR-KIT allows IR to be wirelessly transmitted and received up to 200m. No extra wires are needed between a source and a display to provide easy control of almost all home entertainment equipment using 915MHz RF signals. Multiple transmitters and receivers can also be added to support control from multiple zones of audio and video to multiple sources such as set-top boxes and Bluray players. Utilizing FSK (frequency-shift keying) modulation, the WIR-KIT provides better signal sensitivity, noise suppression, and also minimizes RF-interference when compared to typical products that use ASK (amplitude shift keying) modulation.

Wireless IR KIT
Part # WIR-KIT

- Transmits IR signals wirelessly over 915MHz RF

- 10 discrete channels allow for pairing of up to 10 sources and 10 displays within the same installation environment (Additional Transmitters and Receivers sold separately)

- Allows for wireless IR transmission up to 200 meters (656 ft), no cable run required

- IR Frequency: 20-60 kHz

- Optional IR TX and RX pigtails included for use when hiding transmitter and receiver units

- Compatible with most universal full band carrier frequency infrared remote

- Features frequency hopping technology to minimize RF interference

- Includes 2 5V DC power supplies

SPECIFICATIONS

- Compatible with most universal full band carrier frequency infrared Remote
- Frequency hopping technology to minimize RF interference
- Digital encrypted to ensure safety and reliability
- IR frequency: 20kHz-60kHz
- Dual-band IR
- Power: 5VDC, 500mA
- 433MHz RF resistant
- Operating Temperature: 14-158 degrees Fahrenheit
- Transmitter/Receiver Dimensions: 45mm diameter x 15mm
- IR TX Dimensions: 10mm x 5mm x 5mm
- IR RX Dimensions: 20mm x 5mm x 5mm

PACKAGE CONTENTS

WIR-KIT
- (1) Wireless Transmitter
- (1) Wireless Receiver
- (1) IR TX pigtail cable
- (1) IR RX pigtail cable
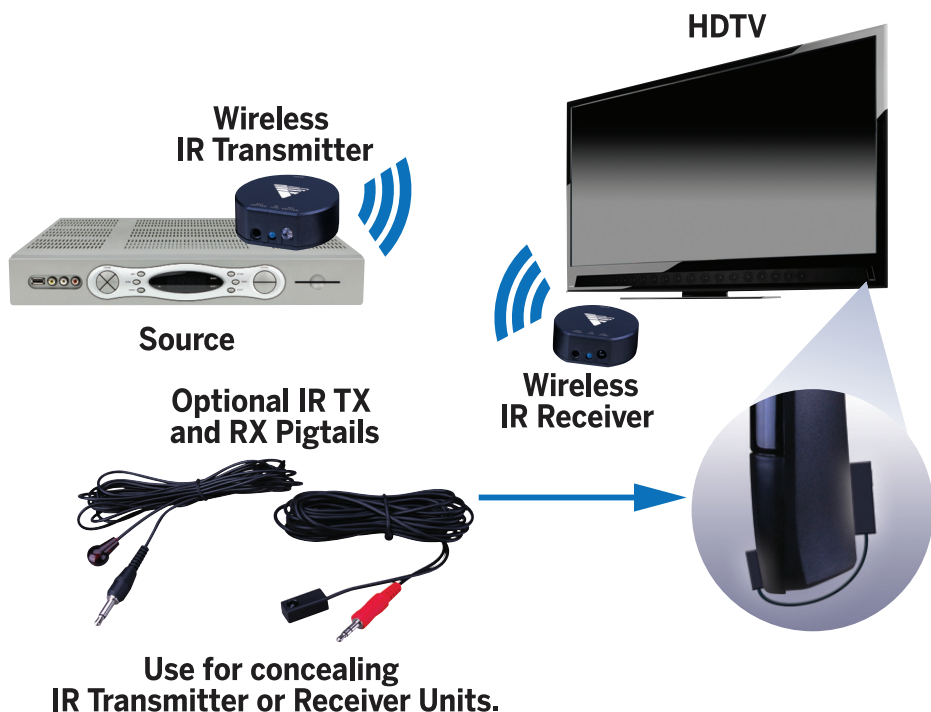- (2) DC 5V, 500mA power supplies
- (1) User Manual

WIR-TX
- (1) Wireless Transmitter
- (1) IR TX pigtail cable
- (1) DC 5V, 500mA power supplies
- (1) User Manual

WIR-RX
- (1) Wireless Receiver
- (1) IR RX pigtail cable
- (1) DC 5V, 500mA power supplies
- (1) User Manual

CONNECT AND OPERATE

HDTV

**Wireless
IR Transmitter**

Source

**Optional IR TX
and RX Pigtails**

**Wireless
IR Receiver**

**Use for concealing
IR Transmitter or Receiver Units.**

1. Place the IR receiver(s) in your desired location(s).

2. Place the IR emitter(s) on the device(s) you want to control. The emitter should be placed directly on the IR sensor of the device you are trying to control.

3. Plug the IR receiver in the IR receiver jack on the wireless receiver and plug the IR emitters into the emitter jacks of the connecting block.

4. Connect the power supply to each end.

NOTE: This is a 5v device which can be powered using the USB port of other devices if the specifications allow it. Check the specifications of the product you are trying to use for power before you go on site.

PAIRING FEATURE

Additional Transmitter and Receiver Units are sold separatly for expanding WIR-KIT: 10 discrete channels allow for pairing of up to 10 sources and 10 displays within the same installation environment (Additional Transmitters and Receivers sold separately)

WIR-TX: Additional Transmitter Unit for WIR-KIT intended for expanding to allow for multiple sources

WIR-RX: Additional Receiver Unit intended for expanding WIR-KIT Transmitter signal to multiple displays

Wireless IR Transmitter
Part # WIR-TX

Wireless IR Receiver
Part # WIR-RX

IR PINOUT

GND +5V IR Signal

GND Signal

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

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