

User Manual

RVC-W8

Wireless Camera & Receiver Kit

**Must be used in conjunction with
FCTP-GM1903 or FCTP-GM2003**



ECHOMASTER
PRO



RVC-W8

Wireless Camera & Receiver Kit

Introduction

Thank you for purchasing your EchoMaster Wireless Camera & Receiver.

This EchoMaster camera with receiver is designed to improve safety during driving by providing high quality images of surrounding areas and obstacles in the vicinity of the vehicle.

Please ensure you read and understand all aspects of this manual before fitting or using your EchoMaster camera. Choose a suitable mounting place dependant on the application. Ensure that there are no wiring harnesses or hoses/pipes located behind this panel before drilling.

Box Contents

RVC-W8

- | | | |
|----------------------------|-----------------------|---------------------|
| ▶ Camera with Antenna (TX) | ▶ Hole Saw | ▶ 4 x Cable Ties |
| ▶ Camera Power Cable | ▶ 2 x Red Male Spades | ▶ Double Sided Tape |
| ▶ 4Pin Din Extension Cable | ▶ 2 x Red T-tap | ▶ User Manual |
| ▶ Receiver (RX) | ▶ 2 x 10mm screws | ▶ Warranty Card |

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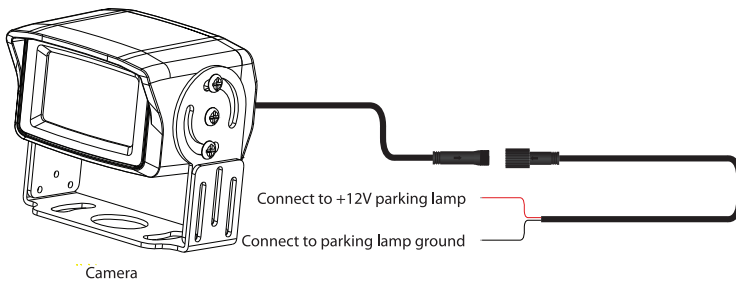
Wiring Diagram & Pin-Out

Camera wiring

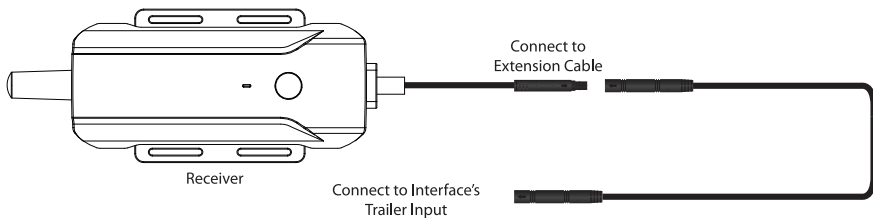
Red (Power) – Connect this wire to the positive parking lamp wire in the vehicle / trailer.

Black (Ground) – Locate a suitable location to ground (negative) the Black wire in the wiring harness. You may connect this wire to a factory ground point in the vehicle, or attach a ring terminal to the black wire and screw into the body of the vehicle/trailer. If you choose to screw into the body, clean the area of any paint or adhesives to allow for good metal-to-metal contact.

Wire connections are illustrated in the diagram below.



Be sure to test the suspected wires with a digital multimeter as trailer wiring is not universal.



Pairing the Camera

The Camera & Receiver are automatically paired. There is no need to pair again unless you need to replace the receiver or camera. If this happens please follow the sequence below to pair the receiver and camera together.

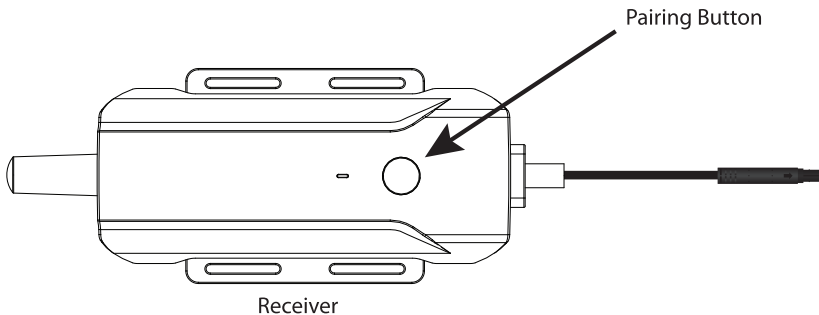
How to pair:

Setup the video display to view the wireless camera. The “No Signal” screen should be displayed at this time.

Within 30 seconds **Press and Hold** the receivers (RX) pair button for **3 seconds**. Pairing will then start and a 30 second count down will be shown on the video display.

Power up the camera by turning the vehicles parking lights on.

Once pairing is complete the camera picture, along with a signal indicator, will appear on the video display and the LED on the receiver will be on constant.





Specifications

Camera (with built-in TX)	
Image device	HM1240
Lens specification	1/4inch 4G
Horizontal angle	90° ± 5°
Vertical angle	50° ± 5°
Imaging resolution	1024 x 600 Pixel
Minimum illumination	0 Lux / (infrared LED on)
Transmission power	18 ± 2 dBm
Working frequency	2.4GHz ~ 2.4835GHz
Antenna gain	2.0 dBi @ 2400 ~ 2500MHz
System	IEEE 802.11 b/g/n
Length of cable	36 in
Current consumption	<=350mA
Power supply	DC 12/24V
Operating temperature	-20°C to 65°C



Specifications (cont.)

Receiver (RX)	
Output signal	AHD
Output resolution	1024 x 600 Pixel
Sensitivity	-94dBm
Working Frequency	2.4GHz ~ 2.4835GHz
Antenna Gain	2.0 dBi @ 2400 ~ 2500GHz
System	IEEE 802.11 b/g/n
Transmission range	100M
Latency time	200ms
Length of Cable	144in
Operating Voltage	DC 12/24V
Working Current	<= 250mA
Operating temperature	-20°C to 65°C



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Notes:

AGREEMENT: End user agrees to use this product in compliance with the instructions and terms of use above and with all State and Federal laws. EchoMaster provides instructions and safety warnings with respect to this product and disclaims all liability for any use not in conformity with those instructions or other misuse of its product. If you do not agree, please discontinue use immediately and contact EchoMaster. This product is intended for off-road use and passenger use only.



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EchoMaster is a brand of AAMP Global.

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