



MODEL: GM61

Cctv tester Instruction manual



Standard: Q/GMY 020-2015
Version: GM61-EN-01

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A. Warning & Cautions

1. Warning:

- ▶ To avoid being injured please be carefully to deal with the following issues:
- ▶ This device cannot be used to operating with the strong-powered wire such as the wiring in household, otherwise the injure may happen or equipment will be damaged.
- ▶ A thunderstorm lightning using the products that avoid lines sensitive to lightning caused personal injury and equipment damage.
- ▶ This device should be stored in ventilated, dry environment and avoid being exposed under the direct sunlight.

2. Cautions:

- ▶ To avoid damage of the device please handle carefully in process of transportation. Do not open the device. Please maintain or repair the device by the authorized technicians if needed.

3. Note:

- ▶ If the power LED lights on which indicates the low battery please recharge the device immediately.
- ▶ If there is any low battery indication the device will turn off automatically and the device is strictly prohibited to be turned on to avoid overly discharged.
- ▶ The dischargeable lithium battery cannot be misused, please turn to professionals to replace them.
- ▶ When the receiver LED is dim or the sounds distortedly please replace the battery.
- ▶ The stronger the signal is, the louder the sound will be. Please make the sound volume to moderate level to avoid being ear injure.
- ▶ Engineering Mate is a practical device that combines the function of video and wire tracing, can be applied to testing and installing the camera and wire tracing.

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B. Introduction

Transmitter audio signal is connected with the target wire while tracing with RJ11 interface, which generate a close loop audio signal field around the target wire loop, and the receiver will pick up the signal at the loop or the other end of the wire to find the target wire. This method features long distance and clear sound which helps the users to find the target wires effectively and quickly.

In testing the camera the device display the images on the screen via its signal cable so that angle and range of the camera will be adjusted to the best position.

This device finds wide application in fields of camera amounting and wire tracing.

This device features:

- (1) Image display
- (2) Audio output
- (3) Wire tracing
- (4) Charge and charging indication
- (5) Low battery alarming
- (6) Automatically turn off
- (7) Flashlight function
- (8) Earphone output
- (9) Wire tracing sound level adjustable

Specification:

- (1) 2.0 inches TFT LCD
- (2) Automatic PAL/NTSC identifying
- (3) 12V 500m emergency power output, with short circuit protection
- (4) This device will turu off automatically within 8 minutes if there is no further operation of the key
- (5) 1KM wire tracing distance: over 1 Km
- (6) 3 built-in batteries of 3.7V 350mah
- (7) 15V 1A power adaptor of 15V 1A

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C. Operation

A. (POWER) power on/off

Press on the button for 2 seconds to turn on the device and the LED lights on and press on the button for 2 seconds again to turn the device off. This device will turu off automatically within 8 minutes if there is no further operation of the key.

Please be noted that if there is failure of turning on or automatic turning off during operation, this means that the lithium battery is low battery below the protective voltage preset. Please recharge the battery immediately if this happens.

B. Cable Tracing Function (SCAN)

This device can find out the 2 ends of a wire quickly. Under the mode of SCAN put one end of the measured in to the RJ11 socket while the device sends the tracing signal which travels in the wire inserted in the socket. Press the SCAN button and listen at the others ends to be measured if there is beep sound, and the loudest end among the measured is the right end.

C. Charging

Under power-on, connect the adaptor with the bottom of the device, and the battery indication LED flashes indicating the charging process. After charge completion the battery indication LED lights on. And the LED flashes quickly if there is no battery in the device while charging.

D. Video

Under the power on mode, insert the signal wire into RJ45 socket and insert the switch wire ends into sockets of video output, audio output and DC 12V power with the image output from camera. Press the volume key to adjust the sound level.

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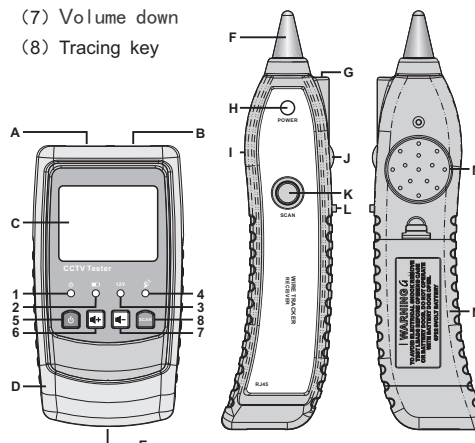
D. Components and keys

1. Description

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|-------------------------|-----------------------------|
| A. Socket RJ45 | B. Socket RJ11 |
| C. TFT LCD | D. Protective cover |
| E. Charging hole | F. Scanning signal sensor |
| G. Flashlight | H. Operating indication LED |
| I. Earphone hole | J. Volume dial |
| K. Tracing scanning key | L. Flashlight on/off |
| M. Audio output | N. Battery door |

2. Indication LED/key description

- (1) Power indication LED
- (2) Battery charge indication LED
- (3) Foreign power LED indication
- (4) Tracing scanning indication LED
- (5) On/off key
- (6) Volume up
- (7) Volume down
- (8) Tracing key



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E. Attached wires

1. Alligator clip wire: one end for inserting into RJ11 another clipping on the target.
2. RJ11 wire: one end for inserting into RJ11 on the transmitter and another RJ11 socket on the wall for telephone cable.
3. Audio/video signal connection cable: The yellow RJ45 for connecting with the RJ45 socket in the device, and black DC 12v power plug to camera power socket, yellow video output plug into camera's

Specification	Transmitter	Receiver
Weight	132.2g	59.2g
Size	64x31x119mm	48.6x26x177mm
Battery	3.7V AAx3 lithium battery	6F22 9V battery
Tracing signal transmit distance	> 1km	
Display mode	2.0-inch TFT LCD	
Environment temperature in operation	-10 ~ 40°C (14 ~ 104°F)	
Relative humidity	10-95%RH	
Storage temperature	-20 ~ 60°C (-4 ~ 140°F)	

Specific Declarations:

Our company shall hold no any responsibility resulting from using output from this product as an direct or indirect evidence. We reserves the right to modify product design and specification without notice.



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