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DIGITAL WIRELESS

BACKUP CAMERAKIT

User Manual

User Manual

Thank you for choosing our digital wireless backup camera kit. This user manual aims to introduce the installation, functions and features of the digital wireless backup camera kit. In order to install and operate the product correctly, please read the manual carefully, thank you. This manual is protected by copyright. Our company has the right to modify the product specifications and related information in the manual. Any version of this manual is subject to change without notice, please understand. Without the written permission of our company, any copy, modification, use, dissemination or publication of this manual constitutes a copyright infringement. If you have questions or problems, please contact us via email: service@szfxt.com. Thanks, we will reply as soon as possible.

Index

1. Installation guide	1
1.1 Introduction	1
1.2 Boxed	1
1.3 Key features	2
1.4 Installation	2
1.4.1 Install the reversing camera	2
1.4.2 Install the monitor	7
2. Operating Instructions	8
2.1 Monitoring operation	8
2.2 Monitor Menu Settings	9
2.3 Basic Operations	9
3. Maintenance and care	11
3.1 Cleaning, maintenance and storage	11
4. Technical Specifications	12
5. Troubleshooting	13
6. Warranty and service	16

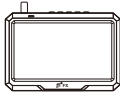


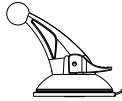
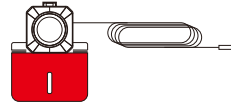


1. Installation guide

1.1 Introduction

Thank you for purchasing the digital wireless backup camera kit.

In order to minimize distortion when reversing and avoid interference, we apply digital wireless technology to this product. You can enjoy stable and clear video without using difficult video cables.

1.2 Box contents

1. LCD-Monitor 5.0"(12.4cm)with antenna and connector cable 	4. Power box with antenna 
2. Mount holder with suction cup  	5. Camera with connector cable box with antenna 
3. Car charger with connector cable 	6. Instructions for use 

1.3 Main features

Wireless 2.4GHz radio transmission

Wide angle (110 degrees)

Night vision function

IP68 waterproof camera

User friendly menu

Simple and quick installation

Mirror / original image (optional)

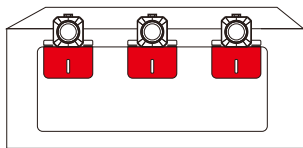
1.4 Installation

1.4.1 Install the reversing camera

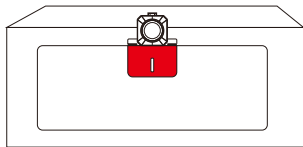
Step 1: Remove the license plate



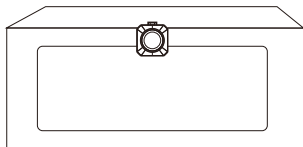
Step 2: Mark the fixed position of the reversing camera (left, center, right)



Step 3: Remove the 3M VHB tape on the back of the camera bracket and stick the camera at the marked location.

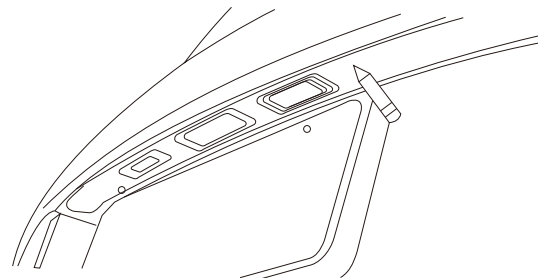


Step 4: Remove the 3M VHB tape on the front of the camera bracket and let the license plate stick to the camera bracket. Then tighten the screws that secure the license plate.



Step 5: Camera cable hole

Now, look for an opening / drilling hole near the license plate opening inside the vehicle to insert the camera's connector cable plug into the vehicle interior. To increase visibility and ease of installation, please remove the interior near the license plate.



Step 6: Connect the camera cable

Now, run the camera cable to connect to the vehicle interior / the cavity of the power box. Make sure that the cable is not pinched or kinked. Connect the plug of the camera cable to the 4-pin socket of the power box.

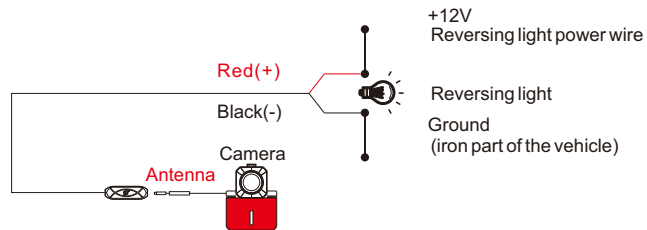
Step 7: Connect the power box cable

Open the inner plastic plate and remove it from the hatch or tailgate. (The plates are usually fixed to the tailgate with clips. This may take longer to avoid damage to the clips. Once the plate is removed, the work will be easy to complete).

**How to find the reversing light (positive electrode)?**

- Please turn the button to the ACC position, and then change the car to R gear.
- Prepare a car test light, connect its clip or clip to a known ground source, and pierce the plastic insulation on the wire with a pointed tip. If the light bulb is on, this means that the wire may be a positive source of potential light.
- Please change your car to another gear, and then use the test lamp to test all the wires used to light the bulb again. If there is a wire that does not light the bulb, it is the positive power of the reversing lamp.

- Carefully peel off the red wire, then find the reversing light power cord, and connect the red wire of the video cable to the positive pole of the reversing light. Find the power cord (positive pole) of the reversing light and connect it to the red wire of the power box. Then ground the black wire of the power box (the iron parts of the vehicle)

**Note:**

- In order to make better use of this product, it is recommended that the antenna be placed vertically and not in a closed environment.
- If the display is clear when the ignition is turned on, but the screen flickers when the engine is running, a power adapter filter is needed to eliminate the flicker. Especially some German cars and Dodge cars.

Step 8: Loosen the cable of the power box

Secure the rear camera cable and power box cable in the rear bracket with cable ties.
Make sure that there is no electrical load or metal between the display and the antenna to avoid damage to the transmission cable, may not interfere with vehicle functions!

Step 9: Check the connection of the power box

First engage the hand brake and make sure that the vehicle is not engaged in gear.

Vehicles with an automatic transmission must be in the "P" position to perform parking lock. Turn the ignition switch to the (u) position, but do not start the engine!

Put the car charger in the car's cigarette lighter and turn on the display. If the power box is connected correctly, a signal will be sent to the monitor and the monitor when reversing, displays the camera's viewing range.

Be Careful

Due to differences in technology and design related models, these instructions do not apply to all models.

1.4.2 Installing the monitor

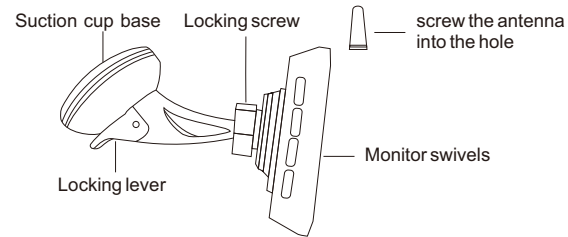
Please connect the antenna to the wireless monitor.

Open the locking screw and adjust the monitor to the desired viewing angle. Now tighten the locking screw to secure the monitor. Clean the area on the windshield or dashboard where the suction cup

base is to be connected. Now press the suction cup base against the windshield or dashboard and move the locking lever towards the suction cup base.

Connect the monitor cable to the car charger cable.


Now plug the car charger into the car socket (12V. Place the monitor cable to avoid collision or endanger the safety of the vehicle and its passengers.)


**Be Careful**

The position of the display may not affect the driver's field of vision! In addition, do not damage the equipment in the vehicle, control units and the function and operation of systems. Observe the laws and safety regulations applicable to vehicles!


2 . operating instructions**2.1 Monitoring operation**

 Reverse guide button

 Mirror / normal button


 Increase button

 Menu button

 Decrease button



2.2 Monitor menu settings


Press the button  to turn the reversing guide line on / off.

Press the button  to mirror / normal image.

Press the button  to enter the menu mode, adjust the brightness and

(use   to adjust), the menu option will disappear after about 3 seconds.

Press the button  to enter the next option or exit.

Press the button  for about 3 seconds to perform code matching with the backup camera.

2.3 Basic operation

2.3.1 Turn on the display

After plugging the car charger into the car's 12-volt power outlet, simply turn on the car to turn on the display. When the camera is not turned on, the monitor will turn off automatically after turning on for about 3 seconds, and the monitor indicator will turn on in red. The monitor automatically turns on when the camera is turned on, and the monitor indicator lights green.

Has been successfully opened.

2.3.2 Code matching

Normally, the monitor is paired with a backup camera before leaving the factory, you can find them in the same package. The purpose of this mode is

limited to pairing with a new spare camera when the old camera needs to be replaced due to malfunction or damage.

Make sure that the backup camera and monitor are turned on. Because when the monitor lights up and turns off automatically after about 3 seconds, pressing the (M) button has no effect. At this time, you need to press any button to turn on the monitor, and then press the (M) button to pair.

Step 1: Power on the backup camera.

Step 2: Press the (M) button for about 3 seconds to enter the pairing mode, the display will show "Pairing", it automatically completes the pairing with the camera. After the pairing is successful, the monitor will display a real-time screen.

2.3.3 Reversing

After the reversing camera is properly connected to the reversing light, it will automatically turn on when you put your vehicle in the reverse gear. In this mode, a guide will appear on the display to help reversing.

3 .Maintenance and maintenance

3.1 Cleaning, maintenance and storage

3.1.1 Attention! Before cleaning the monitor, turn off the monitor and unplug the car.

3.1.2 Clean the reversing camera kit with a dry cloth. Do not use liquid or harsh cleaners, otherwise the surface of the device may become discolored and damaged, and the reverse camera kit may be damaged! Do not allow liquids to enter the device! Never immerse the device in liquid! Only operate the reversing camera system when it is dry.

3.1.3 Always store the spare camera kit in a dry environment! Moisture may damage the electronics of the spare camera kit!

3.1.4 Do not store spare camera kits under extreme temperature fluctuations! Condensation generated under these conditions may damage electronic equipment!

3.1.5 If the camera connector becomes loose over time, it can be readjusted.

4 .Technical specifications

Monitor:

LCD Size:	5 Inch Color Monitor
Operating Frequency:	2.4GHz~2.4835GHz
Transmitted Power:	16±1dBm@Maximum Power Setting
RX Sensitivity	-90dBm@10%PER
Resolution:	800(H)x 480(V)
Brightness:	500 cd/m
TV System:	PAL/NTSC
Power Supply:	DC+9V~+30V
Operating temperature:	-20°C~+70°C
Storage temperature:	-30°C~+80°C
Size	132.5x89.5x22.5mm

Camera:

IP Class (Protection type):	IP68, waterproof
Image Sensor:	1/3 "HD CMOS
Operating Frequency:	2.4GHz~2.4835GHz
TV System:	NTSC/PAL
Resolution:	550TV Line
Minimum Illumination:	0 Lux [IR ON]
Transmitted Power:	16±1dBm@Maximum Power Setting
View angle:	110°
Power Supply:	DC+9V~+30V(Supporting power line voltage range)
Operating temperature:	-20°C~+70°C
Storage temperature:	-30°C~+80°C
Size	27x25x25mm

5. Troubleshooting

Error / Fault	Possible Cause	Solution, Repair
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The vehicle ignition switch and display are not turned on. The red LED is off.	The 12 V monitor cable plug is not plugged into the vehicle electronic cigarette lighter or 12 V socket.	Plug the 12V display cable into the cigarette lighter or 12V
	The fuse of the vehicle's cigarette lighter or 12 V socket is burned out and must be replaced.	Replace the defective cigarette lighter or the 12 V socket in the vehicle fuse box.
	The monitor is broken	Contact the seller to request a new monitor
Turn on the ignition switch in the R range, but the monitor display is blank.	Unrelated between the camera and the monitor. The camera cable may be incorrectly connected or loose.	Check that the camera cable is correctly and firmly connected to the reversing light cable.
Image on the monitor display interference	Other wireless devices (such as Mobile phone) interfered with the signal between the monitor and the camera.	Turn off all other wireless devices (eg mobile phones).

Image on the monitor display interference	The wireless connection between the monitor and the camera is too weak and therefore interferes with data transmission.	Move the power box closer monitor or adjust the position of the monitor.
	The camera lens may be dirty.	Clean the camera lens carefully.
The monitor image is not clear.	Bright light shines on the camera lens.	The image quality will improve, once you move out of the area with disturbing light.

6 . Warranty and service

You (as an end user) receive a 12-month guarantee from the date of purchase.

During the warranty period, if there is damage, repair or other problems, please contact the point of sale or a qualified expert.

General warranty provisions apply to defects in production and materials. Please return the defective product to the point of sale.

In order to quickly process your warranty claim, you need to:

A copy of the receipt showing the date of purchase.

Reason for claim (defect description).

Customer support can be found at www.fxt.com

Or, send an email to service representative on service@szfxt.com