



# AMPIRE KCX802 Mini Color Reversing Camera Owner's Manual

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# AMPIRE

**AMPIRE KCX802 Mini Color Reversing Camera**



## Precautions

- Install the camera properly, paying special attention to these precautions.
- Operate this camera only in designated motor vehicles
- Make sure that the connections are correct.
- Make sure that you do not damage any pipes or cables when drilling holes.
- Lay the cables so that they cannot be kinked, crushed, or damaged by sharp edges.
- Install the camera in a safe place where it will not interfere with driving and where it will not be exposed to moisture. Use the installation material supplied with the camera.
- **Caution!** Incorrect installation can damage the vehicle's electronics! Observe the instructions of the vehicle manufacturer. This camera is intended exclusively for use in motor vehicles.
- Do not use any chemical cleaning products or solvents to clean the rearview camera. This may damage the plastic components or the lens of the camera. Clean the rearview camera with a clean, soft and damp cloth.

## Environmental Reference

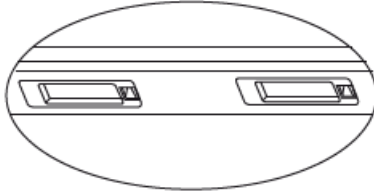
- Old electronic devices do not belong in the garbage can.
- If you later want to dispose of this device, remove all cables and batteries and dispose of them separately at a recycling facility in your area.
- Alternatively, you can return this device to Ampire for disposal.
- The packaging is recyclable. Dispose of the packaging in a designated collection system.

### **Environmental instructions and information on the disposal of electrical and electronic equipment including batteries (applicable to countries that have adopted a separate collection system)**

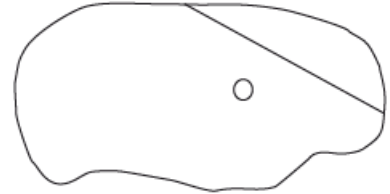
If you want to dispose of this product, do not dispose of it with your normal household waste. There is a separate collection system for used electronic equipment in accordance with legal requirements that require appropriate treatment, recovery and recycling. Contact your local authority for details on finding a recycling facility in your area. Proper recycling and disposal helps to conserve resources and prevent harmful effects on our health and the environment.

## Installation Options

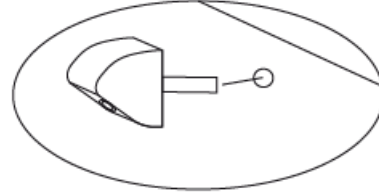
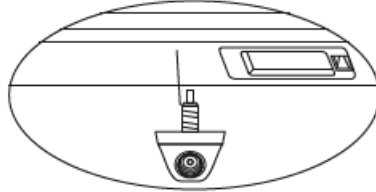
variant 1



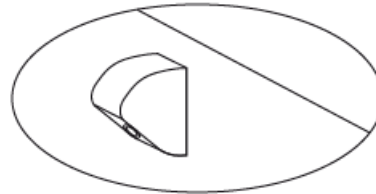
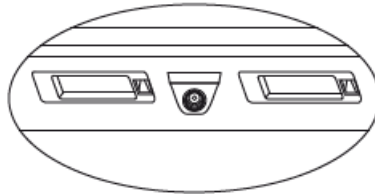
variant 2



1. Install the KCX802 in the license plate illumination lights' panel. Take off the panel and drill a hole of 8 mm.



Put the cable and the thread through the hole and fasten the camera with its ring and screw nut. Attention: Fasten the nut very carefully to avoid that the threaded bolt can break!



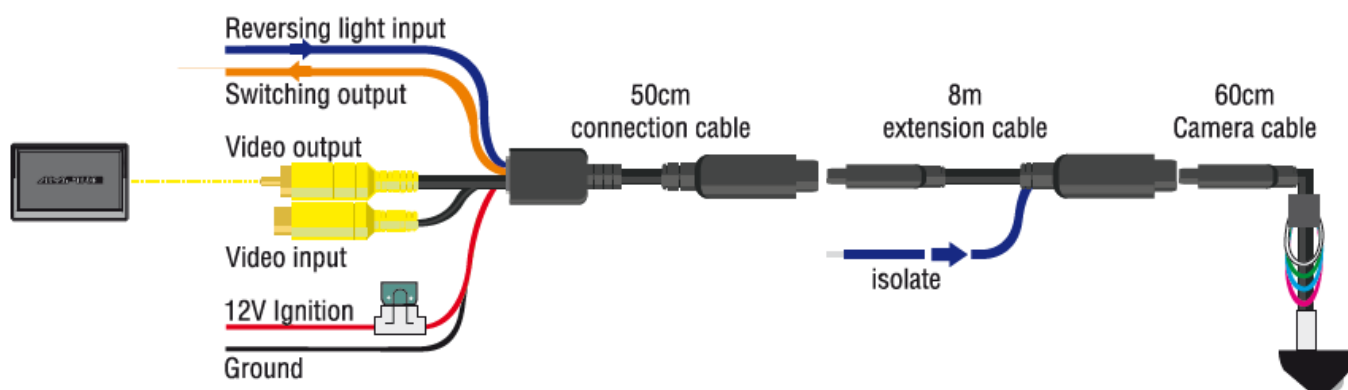
Route the cable and connect it as described on the next page. Then mount the bracket again. With variant 2, depending on the installation location (front or rear), two cable loops may have to be cut. Otherwise the picture will be displayed incorrectly. Please check this setting with the help of a monitor before final assembly.

## Connection

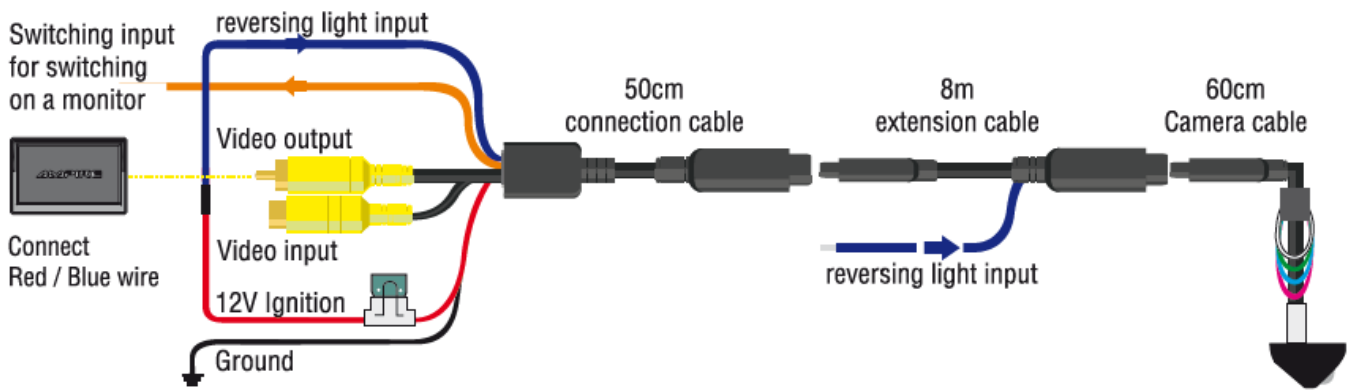
1	Black	(-) Ground
2	Red	(+) 12V Ignition (terminal 15)
3	Yellow cinch plug	Video output for connection to a monitor
4	Yellow cinch socket	Video input for connecting a front camera.
5	Blue	(+) Input for reversing light
6	Orange	(+) 12V switching output for switching on the monitor/ interlace (5 sec. Switch-off delay) or a front camera (10 sec. Switch-off delay). Warning! If the cable is not required, the cable must be insulated and must not come to Ground.
7	White Loop	Image display (rotated 0/180 °). Cut through the cable loop for installation according to variant 2.
8	Green Loop	Guidelines (on/off). Cut the cable loop if you want to have displayed no guides.
9	Blue Loop	Image reproduction (mirrored/ normal). Cut the cable loop, if you want to mirrored the image reproduction for front mounting.
10	Purple Loop	Guide line size (wide/ narrow). Cut the cable loop if you want to display narrow guidelines. This is advantageous if the camera is installed high on the vehicle.

### Complete connection

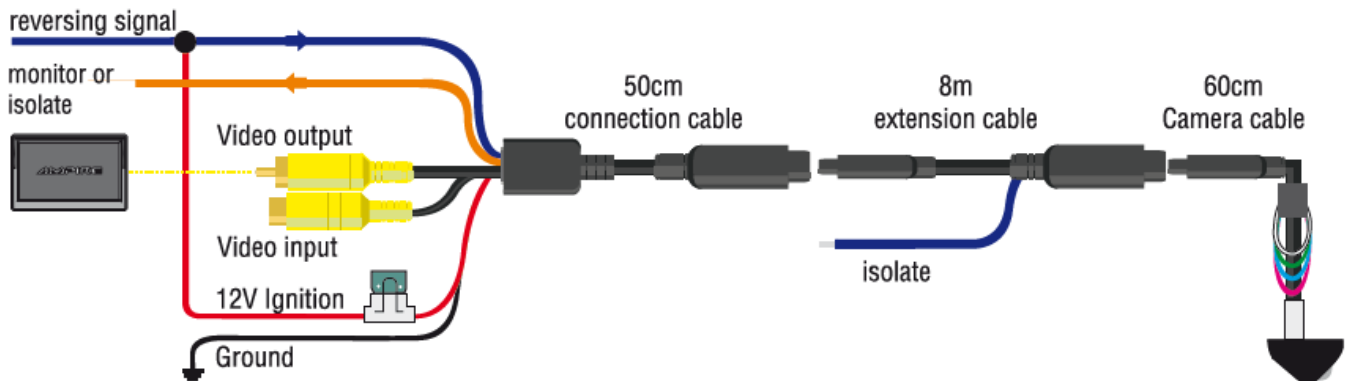
Carry out the following connection if all voltages are available at the installation site in the car (ignition, reversing signal, .. )



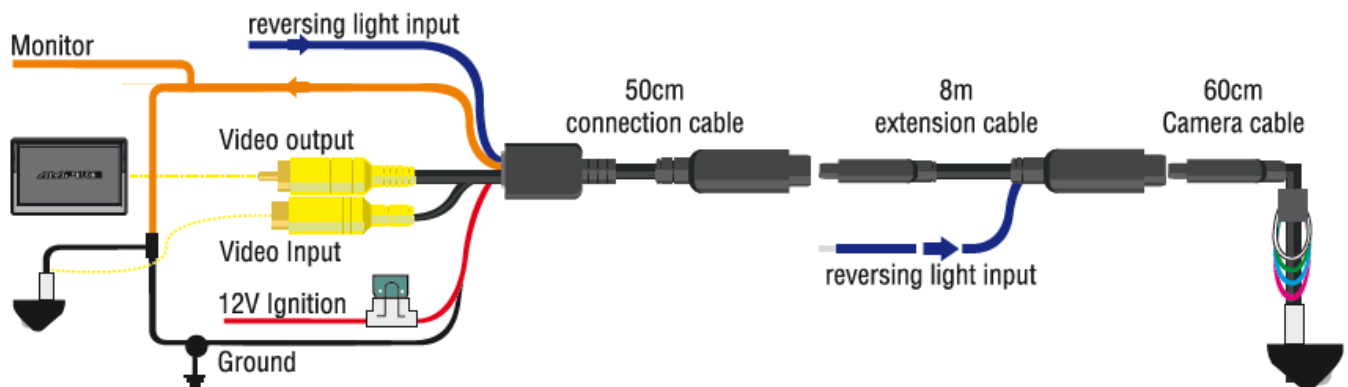
### Rear reversing signal pick-up



### Pickup reversing signal front



### Connection with the front camera



### The functionality of the switching electronics

After the 12V reversing signal is no longer present on the blue cable, the video output is switched to the input for a front camera for 10 seconds. During this time, the orange cable has 12V. After these 10 seconds, the system switches off. The delay of 10 seconds only works if the circuit at the input of the front camera detects a video signal. If the circuit at the input of the front camera does not detect a video signal, only a delay of 5 seconds will work.

### Technical Data

Image Sensor	1/4 Color CMOS
Effective Pixels	960 X 480
Resolution	800 TV Lines
S/N Ratio	>46 dB (AOC on)
Minimum Illumination	0,01 Lux
Diagonal Angle	188°
Horizontal Angle	155°
Vertical Angle	113°
Protection Category	IP69
Video Output	1,0 Vp-p, 75 Ohm
Dynamic Range	>70 dB
Power	DC 12V
Power Consumption	25-55 mA
Operating Temperature:	-40° to +75°C
Storage Temperature:	-60° to+ 105°C
Dimensions (LxWxH)	25,8 x 28,2 x 20,8 mm

Hereby Ampire Electronics GmbH & Co.KG declares that the reversing camera KCX802 complies with the directives 2014/30/EU, 2014/35/EU and 2011/65/EU. The full text of the EU Declaration of Conformity in the German language is available at the following Internet address: <https://ce.ampire.de>.

Since its founding in 1987 Ampire Electronics has had only one goal, to provide the best possible Caralarm-, Carhifi- and Multimedia products, which are available on the international market. All manufacturing facilities and suppliers are certified according to ISO 9001 and QS-9000.

Ampire quality products are sold worldwide.

Ampire customer service is available in many countries. For more information about distributors in your territory please call: + 49-2181-81955-0. We are focused on the future-oriented development of user-friendly products. The outstanding high-quality standards, functionalities, and designs of our products are unique in the market. "German Development" is taken literally in EMPIRE.

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**Documents / Resources**



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KCX802 Mini Color Reversing Camera, KCX802, Mini Color Reversing Camera, Color Reversing Camera, Reversing Camera, Camera