

Clip-on rear-view mirror with integrated 4.3inch LCD monitor

MM-72A



AHD **CVBS**

Rear view mirror with integrated 4.3inch monitor and 2 video inputs

Product features

- 1 CVBS video input for rear-view camera
- 1 CVBS video input for after-market Video sources (e.g. USB-Player, DVB-T Tuner)
- Video inputs NTSC and PAL compatible
- Automatic switching to rear-view camera input on engagement of the reverse gear via switching input
- Monitor surface is a mirror when switched off
- Automatic switch on/off of monitor when reverse gear is engaged or disengaged
- Last Input Memory (after reverse gear is disengaged, monitor returns to previous operating state)
- Picture adjustment menu
- IR remote control
- Total cable length 2.80m (0.50m + 2.30m connection cable)

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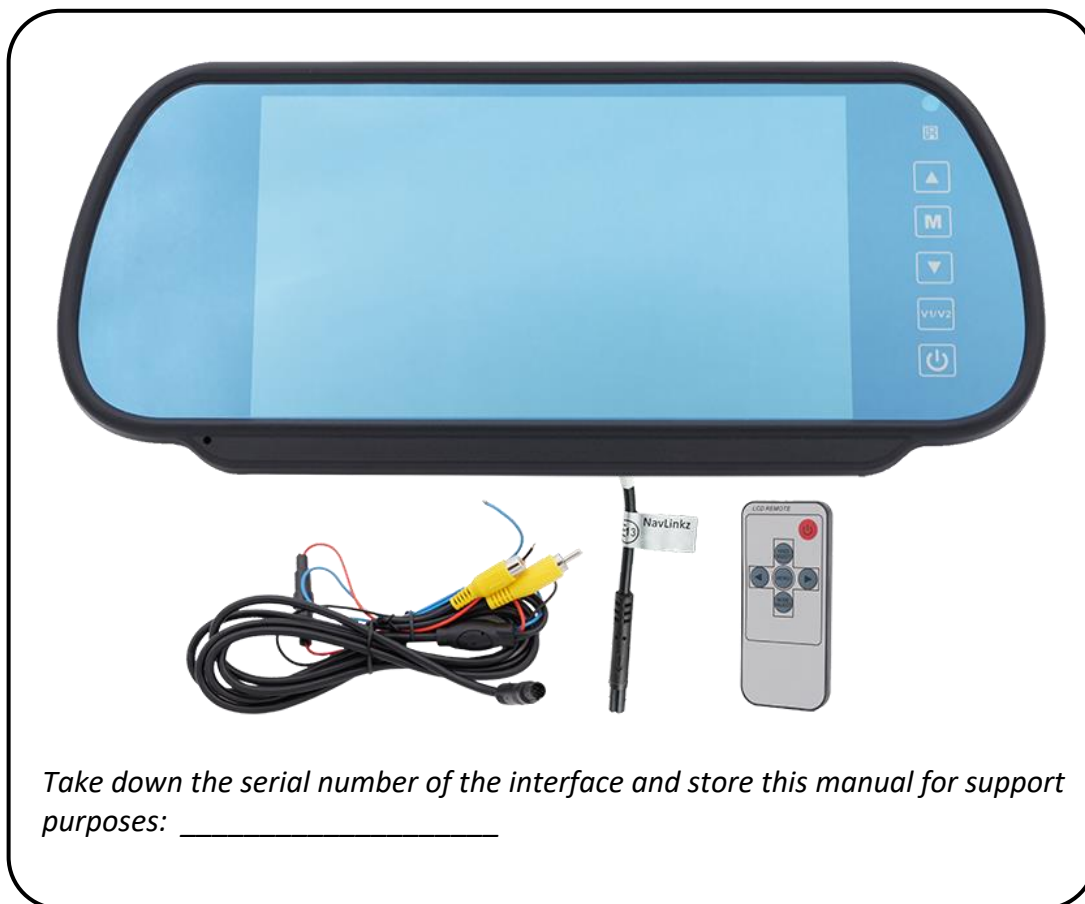
Legal Information

By law, watching moving pictures while driving is prohibited, the driver must not be distracted. We do not accept any liability for material damage or personal injury resulting, directly or indirectly, from installation or operation of this product. Apart from using this product in an unmoved vehicle, it should only be used to display fixed menus or rear-view-camera video when the vehicle is moving (for example the MP3 menu for DVD upgrades).

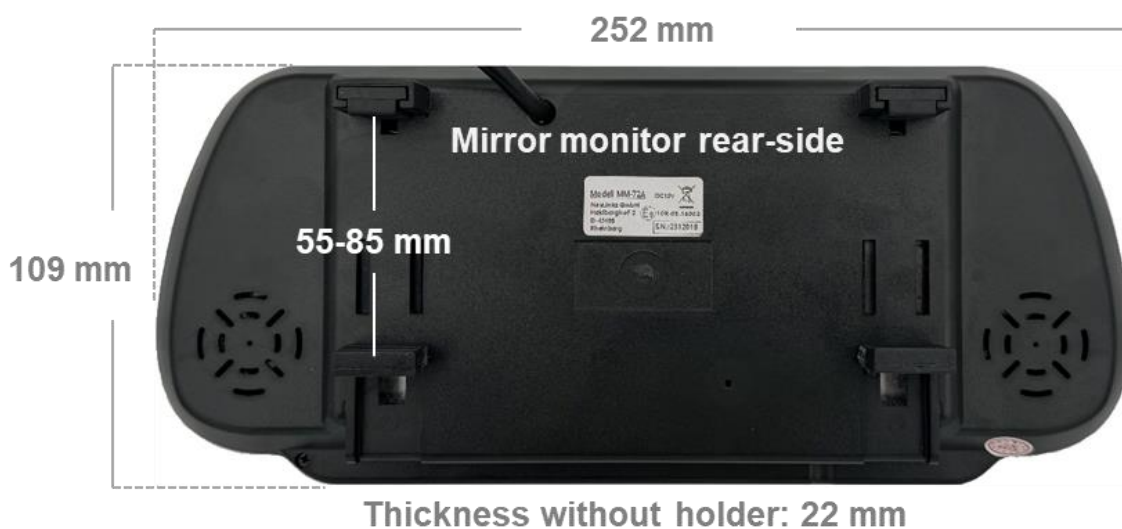
1. Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation.

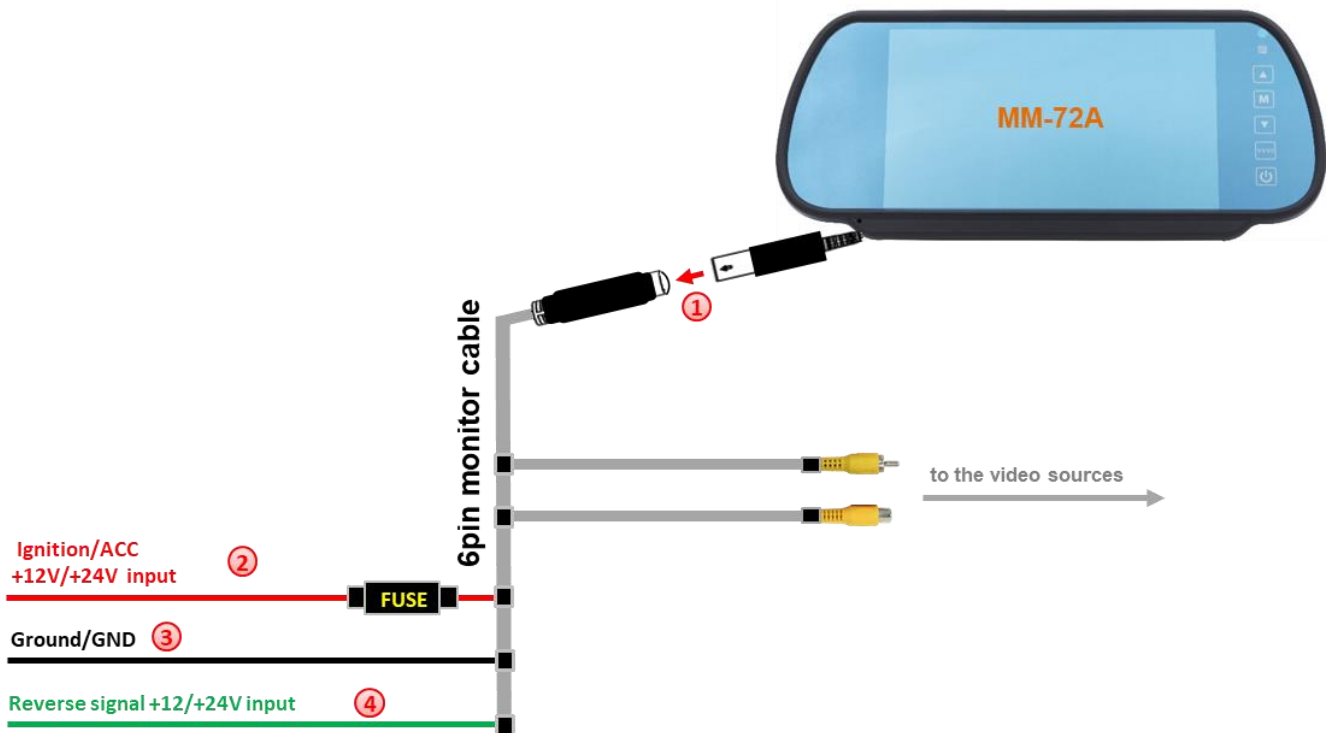
1.1. Delivery contents



1.2. Mirror-monitor size



2. Connection scheme

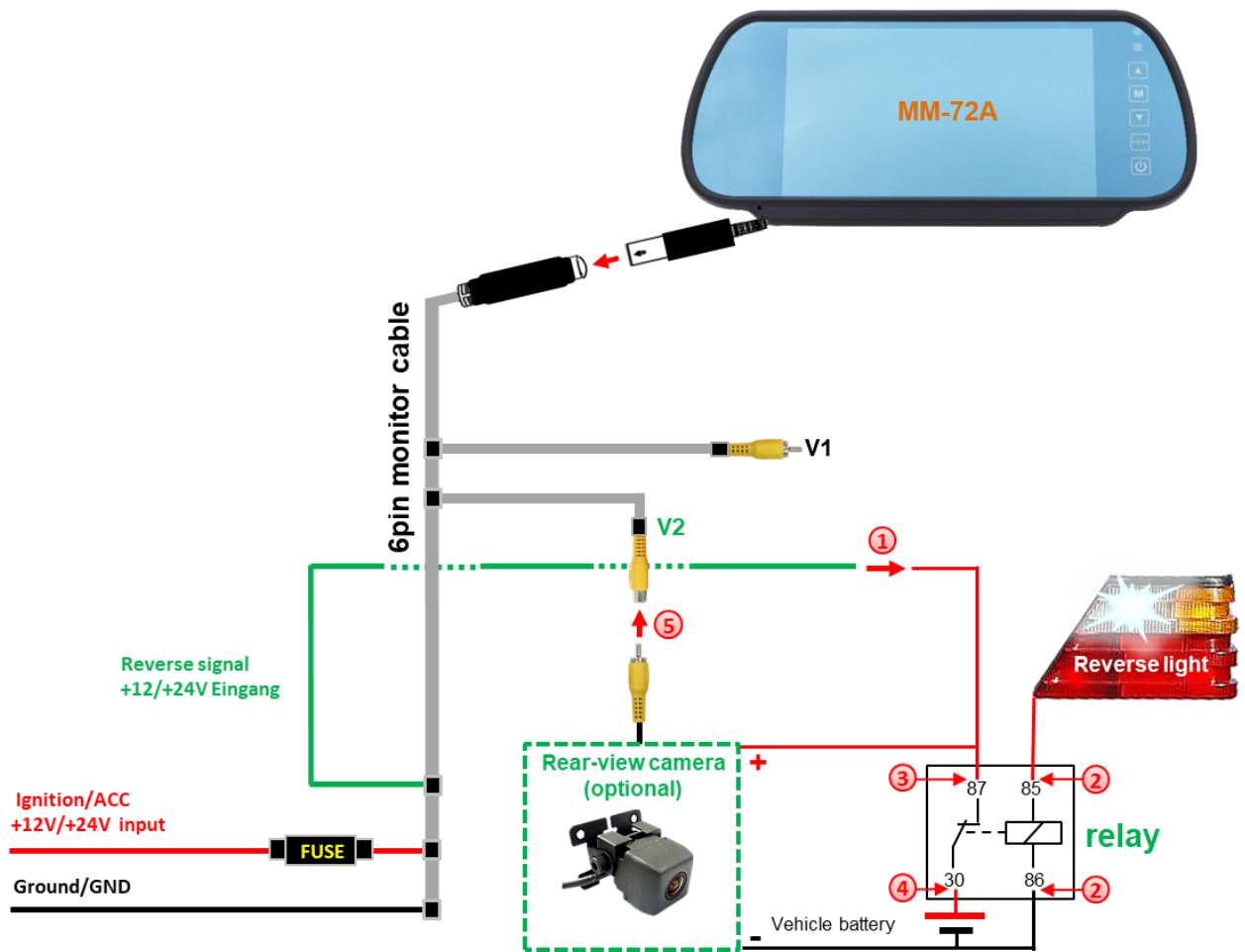


- 1 Connect the male 6pin connector of the monitor to the monitor cable's female 8pin connector.
- 2 Connect the red wire "**12V IN**" to stable +12V ACC.
Connect the red cable with the inline fuse "**Ignition/ACC +12V/+24V**" to a suitable and appropriately fused cable/terminal 15/15r with +12V or +24V DC. This must not provide any more voltage after switching off the ignition or after locking the vehicle, otherwise the battery will discharge unintentionally.
- 3 Connect the black wire "**Ground/GND**" of the 6-pin monitor cable to vehicle ground.
- 4 Green wire "**reversing signal +12/+24V**" serves as analogue switching line for video input 2 yellow cinch socket (e.g. for automatic switching to reversing camera)

Note:

If video input V2 is activated via the green wire, no setting is possible in the OSD menu. Video input V2 settings are only possible via the manual source selection button V1/V2 and then the "M" button.

2.1. Connection – Trigger cable, camera power supply, video cable



- 1 Connect the green coloured trigger input cable " Reverse signal " to the output connector (terminal 87) of the relay.
- 2 Connect the Reverse light's power-cable to coil (terminal 85) and the vehicle's ground to coil (terminal 86) of the relay.
- 3 Connect the output connector (terminal 87) of the relay to the rear-view camera's power-cable, like you did it to the green " Reverse signal " cable before.
- 4 Connect permanent power to the relay's input connector (terminal 30).
- 5 Connect the male Cinch connector of the rear-view camera to the female Cinch connector of the 6pin monitor cable.

3. Mirror-monitor operation



Power: „Press "POWER" button to switch the monitor on or off.

The monitor has a memory for the last position

(Last Power+Position Memory).



If the monitor was switched off before ACC was interrupted, the monitor will also be restarted in the OFF position the next time ACC is switched on.



Source selection: Press "V1/V2" button to switch between video input 1 and video input 2.



Menü: Press the "M" button to change the monitor settings.

Press the up  or down  button to change the values/functions.

The following setting options are available in the OSD menu:

When parking lines are activated, the following 3 settings are added at the top left when the OSD menu is selected.

H	Moving guide lines horizontally
V	Moving guide lines vertically
W	Change the width between the parking lines

If the parking lines are not activated, the OSD menu starts with brightness.

Brightness	0 – 100
Contrast	0 – 100
Saturation	0 – 100
Tint	0 – 100
Zoom	16:9/4:3
Mirror V1	Inverted image video 1 = ON, OFF
Mirror V2	Inverted image video 2 = ON, OFF
Rotate	Image orientation: LU (Left Upper), UR (Upper Right), RD (Right Down), LD (Left Down)
Language	German, English
Carline1	Guide lines video1 = Style3, OFF
Carline2	Guide lines video2 = Style3, OFF
Reset	factory settings

4. Specifications

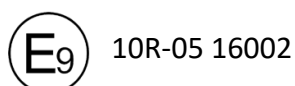
Monitor	7inch mirror monitor
Video format	16:9 (widescreen) and 4:3(standard)
Resolution	1024 x 600 pixel
BATT/ACC range	+12V or 24V DC
Stand-by power drain	approx. 80mA
Power consumption in video mode	max. 230mA @12V
Video input formats	FBAS NTSC/PAL and AHD NTSC/PAL
Temperature range	-40°C to +75°C
Dimensions monitor (without holder)	252 X 109 X 22 mm (W x H x D)
Maximum height of vehicle rear-view mirror	85mm

5. Technical Support

Please note that direct technical support is only available for products purchased directly from NavLinkz GmbH. For products bought from other sources, contact your vendor for technical support.

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Made in China

