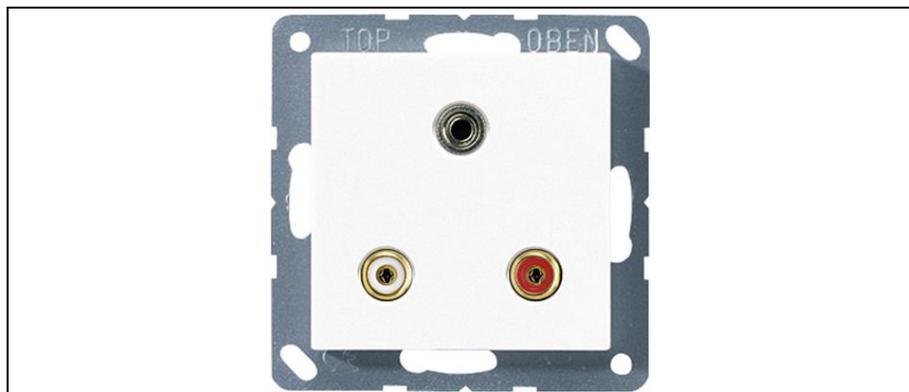


Operating Instructions Multimedia connection system



1. Safety instructions



Electrical equipment must only be installed and assembled by qualified electricians.

Always follow the relevant accident prevention regulations.

Failure to comply with these instructions may result in damage to the device, fire or other hazards.

Proper signal transmission is only ensured when the appropriate accessories are used and the specified maximum cable lengths are observed, as well as the minimum permissible distance of 0.3 m from current-carrying cables and sources of interference (electronic ballasts, dimmers, ESLs, etc.) are observed.

These operating instructions are an integral component of the product, and must be retained by the end user.

2. Function

The multimedia connection system serve to connect input and output devices for transmission of audio/ video signals and data.

- ① The available functions depend on the devices that are connected. To select the suitable socket, note the information from the manufacturer of the connected devices.

Intended use

- Only suitable for use in indoor areas
- Can be used in multiple combinations
- Flush-mounting in wall box according to DIN VDE 0606
- Connection of audio/video devices via „Plug & Play“

3. Operation



CAUTION!

The use of non-standardised connecting cables and connectors can cause device malfunctions.

The devices may be destroyed.

Use only approved connecting cables and connectors.

3.1. Connecting multimedia devices

- Insert connector of the connecting cable from the signal source, e.g. from a DVD or MP3 player, into the jack of multimedia socket.
 - Insert connector of the connecting cable from a playback device, e.g. from an LCD/plasma television or stereo system, into the jack of a second multimedia socket.
- ① Insert connectors into the jacks straight and without using force. Twisting or tilting the connector may deform the contacts.

Application examples

Connection	Devices
Cinch	Audio systems, AV receivers, active loudspeakers
S-Video	SAT receivers, televisions, projectors, iPod docking stations, video cameras
USB	iPods, printers, storage media, digital cameras
TRS 3.5 mm	MP3 players, CD/DVD players, sound cards, audio systems
VGA	PCs/laptops, projectors, monitors
HDMI	High definition plasma/LCD televisions, SAT receivers, projectors, game consoles, DVD/Bluray players, DVD/HDD recorders, video cameras

Information for electricians

4. Assembly

4.1. Connecting and installing the multimedia connection system

The connecting cable has been laid, the wall box is installed in the wall.

- ① Recommendation: use Kaiser „Electronics Box“ (Art. no. 1068-02 or 9062-74) in order to maintain the permissible bending radii.
- Insert connector of the connecting cable into the corresponding jack on the rear of the multimedia connection system.
 - Screw insert to the wall box in the tight orientation via the supporting ring.
 - Place centre plate into the frame.
 - Mount centre plate together with the frame on the insert using screwless terminals.

The multimedia connection system can be commissioned.

5. Commissioning



CAUTION!

**Short-circuit if devices that are switched on are connected.
Devices may be destroyed.
Switch all devices off before connecting them.**

5.1. Carrying out a functional test

Multimedia connection system is connected.

- Activate the desired functions and check the signal transmission at the signal sources and the playback device, e.g. play a DVD and check picture/sound reproduction on a television set.

The multimedia connection system is ready for operation.

6. Appendix

6.1. Technical data

Cinch Audio

Rated voltage:	DC 50 V
Frequency ranges:	20 Hz ... 20 kHz
Contact resistance:	≤ 20 mΩ
Insulation resistance:	≥ 100 MΩ
Electric strength:	AC 500 V~ (50/60 Hz) for 1 min 2 mA
Insertion and removal forces:	3 ... 25 N
Insertion cycles:	≥ 1000
Gender changer:	white (left), red (right)
Contact material:	gold-plated
Installation depth:	14 mm
Ambient temperature:	-5 ... +45 °C

TRS 3.5 mm

Rated voltage:	DC 50 V
Frequency ranges:	20 Hz ... 20 kHz
Contact resistance:	≤ 20 mΩ
Insulation resistance:	≥ 100 MΩ
Electric strength:	AC 500 ... 2000 V~ DC 800 V
Insertion and removal forces:	4.9 ... 14.7 N
Insertion cycles:	≥ 2000
Gender changer:	3.5 mm Audio Stereo, 180 °
Contact material:	gold-plated
Ambient temperature:	-5 ... +45 °C

Composite Video

Rated voltage:	DC 50 V
Frequency ranges:	≤ 160 MHz
Contact resistance:	≤ 20 mΩ
Insulation resistance:	≥ 100 MΩ
Electric strength:	AC 500 V~ (50/60 Hz) for 1 min 2 mA
Insertion and removal forces:	3 ... 25 N
Insertion cycles:	≥ 1000
Gender changer:	yellow
Contact material:	gold-plated
Installation depth:	14 mm
Ambient temperature:	-5 ... +45 °C

S-Video

Rated voltage:	DC 50 V
Frequency ranges:	≤ 160 MHz
Contact resistance:	≤ 80 mΩ
Insulation resistance:	≥ 50 MΩ
Electric strength:	AC 500 V~ (50/60 Hz) for 1 min 2 mA
Insertion forces:	≤ 44.1 N
Removal forces:	5.88 ... 29.4 N
Insertion cycles:	≥ 1000
Gender changer:	S-Video
Contact material:	gold-plated
Ambient temperature:	-5 ... +45 °C

VGA

Resolution:	≥ 800 x 600 pixels ≤ 1280 x 1024 pixels S-VGA compatible
Frequency ranges:	≤ 160 MHz
Contact resistance:	≤ 30 mΩ
Insulation resistance:	≥ 1000 MΩ
Electric strength:	AC 500 V~ (50/60 Hz) for 1 min 2 mA
Insertion forces:	43.9 N
Removal forces:	3.92 N
Insertion cycles:	≥ 500
Gender changer:	15pole D-subminiature, 180°
Installation depth:	5 mm
Ambient temperature:	-5 ... +45 °C

HDMI

Standard:	HDMI 2.0a Support for HDMI™ technology (HDMI High Speed)
Video formats:	4K @ 50/60 Hz Full HD @ 48 Hz 3D HDR Video
Gender changer:	HDMI™ type A, 180°
Contact material:	gold-plated
Installation depth:	25 mm
Ambient temperature:	-5 ... +45 °C

USB

Standard:	2.0 High Speed
Gender changer:	Type A, 180°
Installation depth:	27 mm
Ambient temperature:	-5 ... +45 °C

DVI

Standard:	DVI-I Dual Link (analogue + digital)
Rated voltage:	AC 40 V
Frequency range:	≤ 1000 MHz
Contact resistance:	≤ 20 mΩ
Insertion/removal cycles:	≥ 1000

Terminal: 180°
Installation depth: 17 mm
Installation note: Consider bending radius and various plug types. Ensure sufficient installation space.

6.2. Troubleshooting

No signal at the playback device after the signal sources is switched on.

Cause 1: Playback device is not switched on.

- Switch on playback device.

Cause 2: Loose connector.

- Check that all connections are properly seated.

No video signal at the playback device after the signal sources is switched on.

Cause 1: Signal source is not recognised by the playback device.

- Manual selection of the signal source using remote control or channel selection buttons of the player.

Cause 2: VGA output of the signal source is not activated.

- Activate VGA output. Note information of the device manufacturer.

No audio signal at the playback device after the signal sources is switched on.

Cause 1: Volume control on the signal source or on the playback device is set too low.

- Increase volume.

Cause 2: The audio on the playback device is set to mute.

- Deactivate the mute function. Note information of the device manufacturer.

6.3. Guarantee

Our products are under guarantee within the scope of the statutory provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

ALBRECHT JUNG GMBH & CO. KG

Service-Center

Kupferstr. 17-19

D-44532 Lünen

Service-Line: +(49) 23 55 . 80 65 51

Telefax: +(49) 23 55 . 80 61 65

E-Mail: kundencenter@jung.de

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