



Media technology

Bachmann media technology systems provide a flexible and elegant solution for custom media management in conference and training rooms. From simply switching between image and sound signals to a complete central control of all media, this solution can be tailored to the needs of every user.

With its modern components, including control elements from the global market leader AMX® plus all connecting systems, Bachmann media technology systems offer all that is required for any application. Thanks to its modular construction and intelligent cabling, the system can be quickly installed or adapted to specific requirements.

The flexibility of Bachmann complete solutions is complemented by their elegance. Regardless of how complex the Bachmann media technology system configuration is, it can be quickly and easily integrated into the Bachmann facility systems.

Media Express

Plug-and-play for simplicity and efficiency.

Bachmann's Media Express system for media technology lets you switch between different image and sound signals and is already integrated in the connection panels of the Bachmann facility product ranges. In addition to switching between image and sound signals, Media Express also extends the network connection to each user.

Media Switch

Flexible and reliable thanks to high-quality components.

The Media Switch (Amx® inside) allows simple routing of image and sound signals from multiple users to various output devices such as projectors or monitors. All these elements can be combined with existing Bachmann facility products.

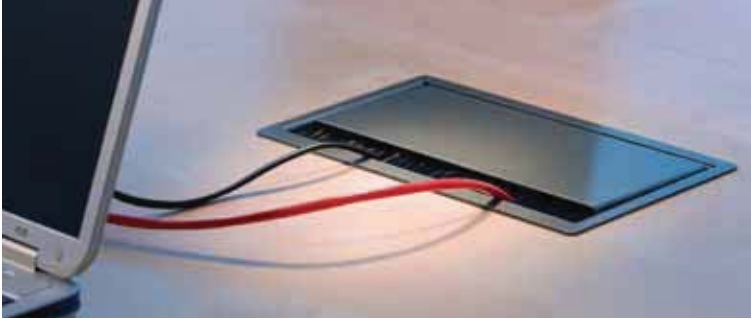
Media Control

Simple control of complex processes in media and facility applications.

The Media Control (Amx® inside) system uses control units to govern the various media from a central point. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy for visitors to grasp quickly.

Media Express –

Plug-and-play for simplicity and efficiency.



Problem-free integration

Media Express is the solution for simple switching between image and sound signals. This system is already integrated in the connection panels of the Bachmann facility product ranges. In addition to switching between signals, it gives a network connection to each user.

With Media Express the individual connection panels are linked in a series known as a 'daisy chain'. This chain requires only one cable set with 3 connections. Connections are inserted into the connection panels on a plug-and-play basis. No programming of the units is necessary and the sequence of the connection units can be freely selected. The system is self-initialising and can be used immediately.

Flexible switching

The signal-switching function enables image and sound signals to be sent from the connection panel to a D/V projector or monitor screen. Authorisation to transmit the user's image and sound signal is activated by means of a dedicated button. An LED on the button indicates activation.

For image transmission the common 15-pole VGA sub-D system is provided on the front of the connection panel. This allows laptops to be connected easily using VGA connector cables. Of particularly practical benefit, no additional signal booster is necessary as this is integrated into the feeder box. This assures problem-free image transmission (so long as the maximum number of users and cable length are observed). The system can be built with a single infeed.

Up to 6 connection panels can be linked via connector cables. No central switching box is required. Projectors or monitors can be connected directly to the feeder box.

Simplicity of linking

Connection to the network requires only one access point (via the feeder cable). Two RJ45 LAN ports with signal boosting on each connection panel allow laptops to be connected. Thus the network is linked from one user to the next via the connector cable. The built-in network switch is designed for 10/100 Mbit and is sufficient, depending on the specific installation, for up to 6 participants.

Feeder box

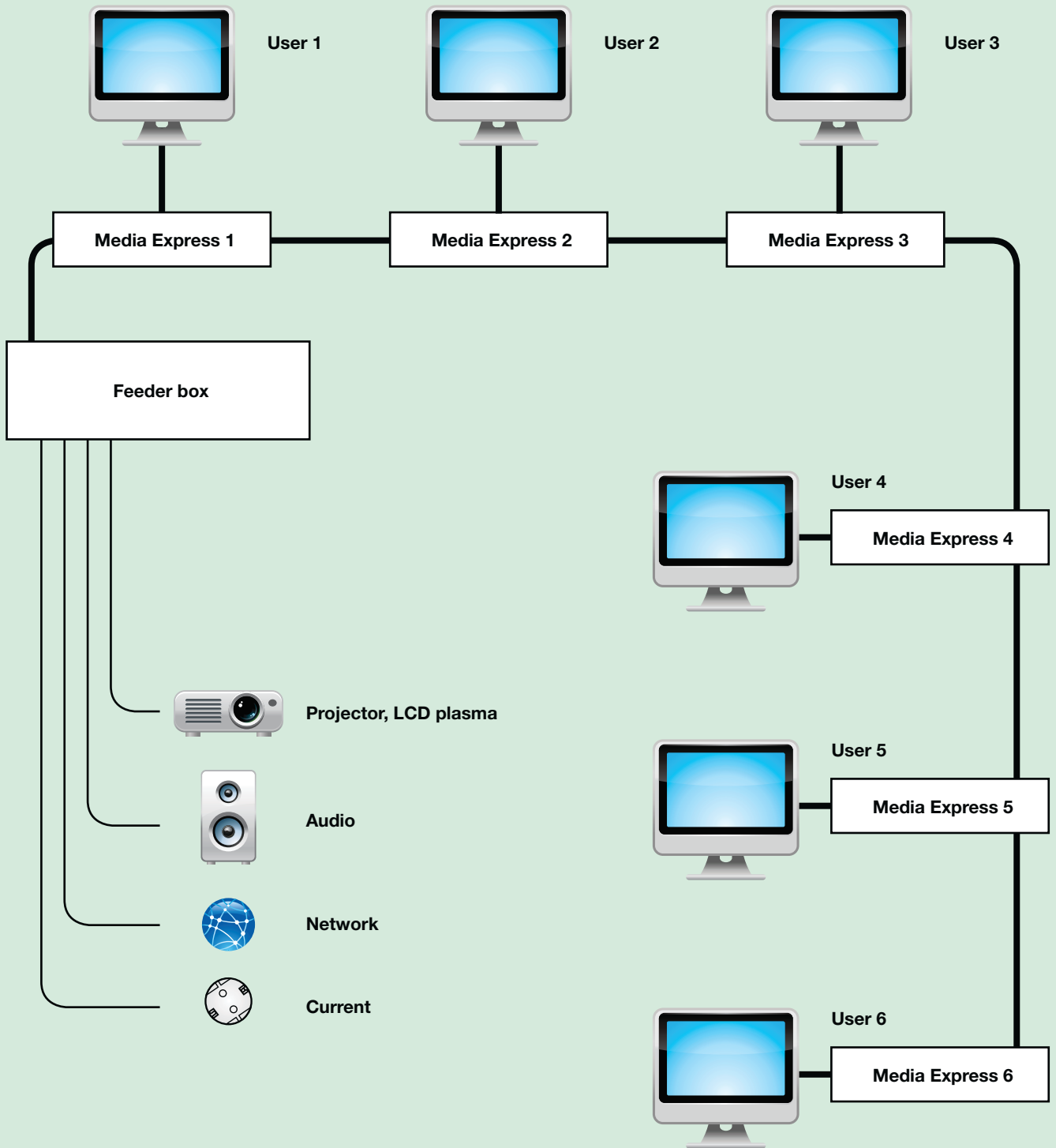
The system structure requires the use of a feeder box. This box provides the link between the connection panels and the output devices (projector, audio, network etc.).

The advantages at a glance

- Simple plug-and-play principle
- Electronics already integrated in the connection panel
- Available for most Bachmann facility systems
- Pre-cabled
- Extension of image, sound and network signals
- Simple, decentralised signal switching
- Compact and space-saving unit

Configuration information and lists of applications are available at **www.bachmann.com**.

Should you have any questions concerning your project, contact us at **media@bachmann.com** for assistance.



Overview of Media Express connections



Media Express technical data:

Video/audio:

- Hardware detect/automatic detection
- Input signal:
 - 0.7 Vss/75 ohm RGB, 5 V H&V-Sync, 1.8 Vss audio, 24 bit/96 kHz
 - 15-pin VGA sub-D plug
- Output signal:
 - 0.7 Vss/75 ohm RGB, 5 V H&V-Sync, 3.5 Vss audio, 24 bit/96 kHz
 - 26-pin sub-D socket
- Video bandwidth: (+/- 3 dB) 300 MHz
- Resolution max: 1600 x 1024
- Transmission distance: 20 x MediaNet Express modules/cable length: max. 50 m in total
- Audio: stereo L/R

Connections:

- 1 x 15-pole VGA sub-D
- 1 x 3.5 mm miniature jack stereo socket
- 2 x LAN RJ45 sockets
- Sockets as per connection unit selected

Network:

- 2 x RJ45 ports, 10/100 Mbit
- CAT5 with LED (speed and active LED)









Power supply unit:

- 2.5A; 18V
- Max. current consumption per connection unit: -500mA

Media Express

The Media Express unit can also be integrated into other facility systems such as Power Frame, Desk and Step. Please ask us for the configuration you require.

- Anodised aluminium profile, black socket outlets, rotated 35°
- Media Express
- Power input: GST18i3
- Power outlet: GST18i3

Art. no.	Version		
1x earthing contact, GST18i3, short (TOP FRAME, CONFERENCE)		Length: approx. 260 mm	
1 x Media Express			
903.2000	· 1 socket outlet with earthing contact		
	· 1 Media Express		
3 x earthing contact, GST18i3, long (TOP FRAME, CONFERENCE)		Length: approx. 444 mm	CUSTOM
1 x Media Express, 2 x custom modules			
903.2001	· 3 socket outlets with earthing contact		
	· 1 Media Express		
	· 2 custom modules, empty		
2 x earthing contact, GST18i3 (CONI)		Length: approx. 356 mm	CUSTOM
1 x Media Express, 1 x custom module			
903.3000	· 2 socket outlets with earthing contact		
	· 1 Media Express		
	· 1 custom module, empty		
3 x earthing contact, GST18i3 (CONI)		Length: approx. 356 mm	
1 x Media Express			
903.3001	· 3 socket outlets with earthing contact		
	· 1 Media Express		

Media Express feeder box

Art. no. | Version

Media Express feeder box

Signal feeder unit for Media Express system

- | | |
|---------|--|
| 903.400 | <ul style="list-style-type: none"> · Distribution of signals: <ul style="list-style-type: none"> – Image (D/V projector), 15-pole VGA sub-D to 26-pole sub-D – Sound (loudspeakers), Cinch stereo to 26-pole sub-D – Data (network), RJ45 to RJ45 – Signal authorisation on 26-pole sub-D – RS-232 interface for optional programming |
|---------|--|



Media Express feeder cable

- Feeder cable length 2.0 m
- The cable set is held together in a textile-fibre sleeve

Art. no. | Version

Media Express feeder cable

Feeder cable to feeder box

- | | |
|---------|---|
| 903.500 | <ul style="list-style-type: none"> · 1 x 15-pole VGA plug/26-pole sub-D socket · 1 x CAT6 patch cable plug/plug, shielded · 1 x power cable, right-angle earth contact plug and GST18i3 socket |
|---------|---|



Media Express connector cable

- Connecting cable, length 2.0 m
- The cable set is held together in a textile-fibre sleeve

Art. no. | Version

Media Express connector cable

To link one connection unit to another

- | | |
|---------|---|
| 903.600 | <ul style="list-style-type: none"> · 1 x 26-pole sub-D (90° plug/45° socket) · 1 x CAT6 patch cable plug/plug, shielded · 1 x power cable, Wieland GST18i3 plug and GST18i3 socket |
|---------|---|



Typical order for 4 presentation stations



Quantity	Art. no.	Description
4 x		For articles of your choice, see page 97 (903.2000, 903.2001, 903.2000, 903.2001)

Media Express

Quantity	Art. no.	Description
1 x	903.400	Signal feeder unit for Media Express system
1 x	903.500	Feeder cable to feeder box

Feeder cable

Quantity	Art. no.	Description
3 x	903.600	Connecting cable to link one connection unit to another

Connection



Projector

Audio

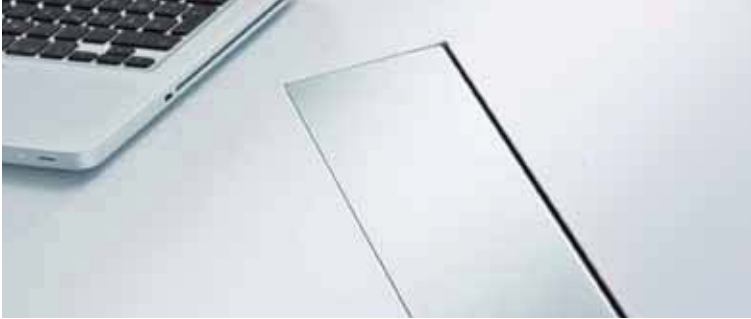
Network

Current

Configuration information and lists of applications are available at www.bachmann.com.
Should you have any questions concerning your project,
contact us at media@bachmann.com for assistance.

Media Switch –

flexible and reliable thanks to high-quality components.



Easy to install

Today's meeting rooms are equipped such that the signal to an output device (projector etc.) can be switched between various sources. Key requirements are also ease of installation, ease of use and flexibility.

An exemplary solution to all these requirements is the Media Switch system.

Ease of integration

The control elements can be fitted into existing Bachmann facility products on a plug-and-play basis. Like all Bachmann media technology systems, Media Switch is also simple to plan, easy to install and straightforward to use. Multiple users can dock their laptops simultaneously via the multiple connection panels.

The VGA sockets on the connection panels allow e.g. presentations to be sent to the projector. As soon as a user presses the button on his/her connection panel, the switch selects the image signal on that panel/laptop. The connection to the switch /changeover switch is set up via a pre-prepared set of cables. Pressing the button issues a command to the switch /changeover switch to route the incoming image and sound signals to the projector and loudspeakers.

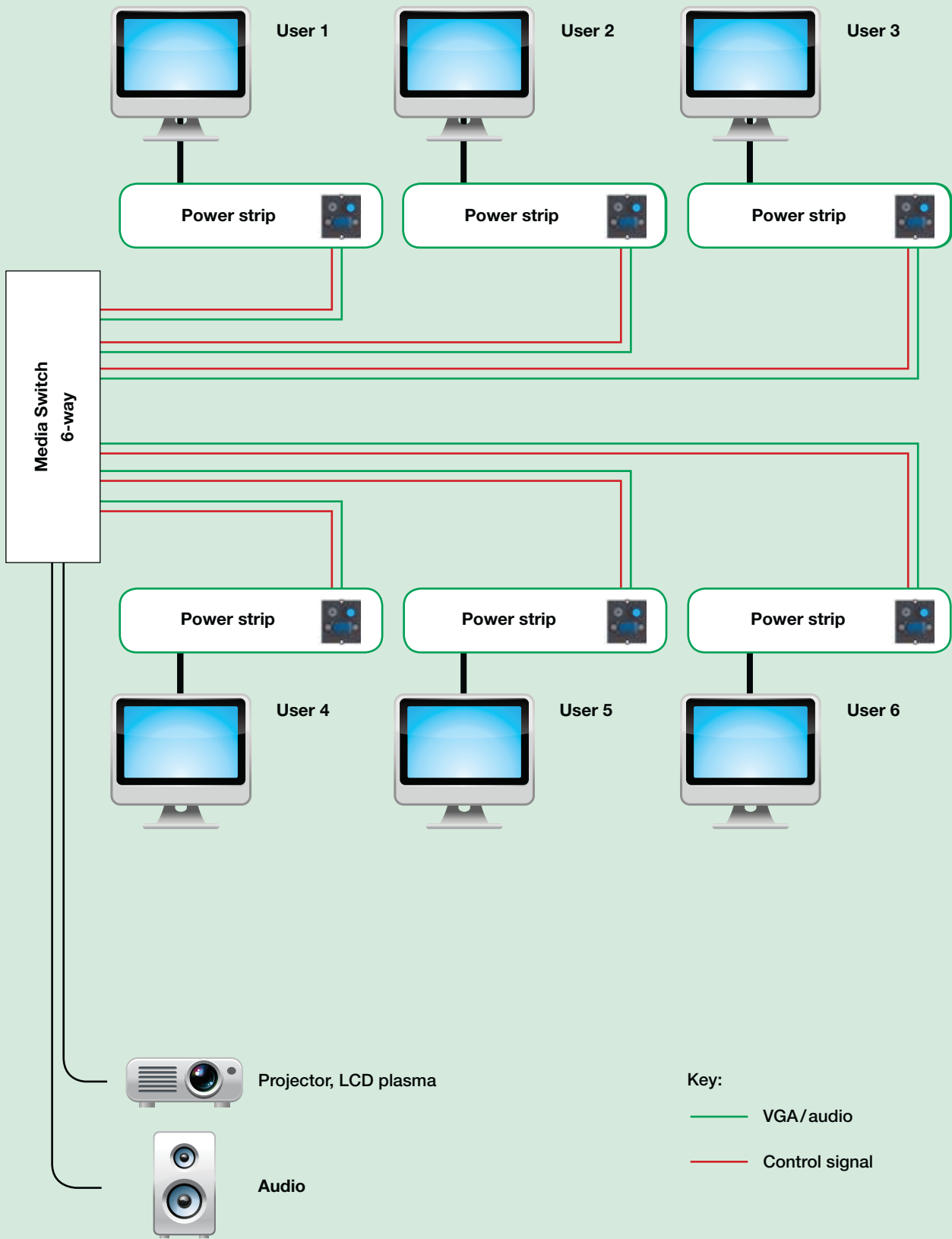
Signal booster

To ensure problem-free image signals, it is recommended that signal boosters are used with the Media Switch system. This enables image signals from devices with less powerful graphics cards to be transmitted with significantly better quality. The signal booster is fitted between each connection panel and the switch /changeover switch.

Switching is effected by pressing the button on a custom module with VGA and miniature jack on the connection panel. As soon as the button is pressed, the image and sound signals are routed to the switch /changeover switch. The button is illuminated blue until another user activates the button on his/her own connection panel to obtain signal authorisation.

The advantages at a glance

- Simple, low-cost signal switching
- Star configuration, ideal for small meeting rooms
- Plug-and-play connections
- Decentralised switching: each user can request authorisation by pressing a button
- Additional switches/changeover switches can be cascaded one after the next to expand the system for larger numbers of users
- Connects to all Bachmann facility systems via built-in VGA, miniature jack and switch button connections (see art. no. 917.143)
- Pre-prepared cabling for connection between connection panel/signal booster and switch/changeover switch



Switcher/changeover switch

- Power supply: 9–12V DC 15W
- Includes power cable and operating instructions in German and English



For switch / changeover switch **903.100** there are two options for connecting to the custom module **917.134**:

1. Without acknowledgement of signal authorisation, i.e. button is not illuminated when authorisation is granted. For this the set is used with **signal authorisation 903.113** (see page 118).
2. With acknowledgement of signal authorisation, i.e. button is illuminated blue when authorisation is granted. For this the set is used with **signal authorisation 903.112** (see page 118).

Art. no. | Version

Switch/changeover switch**L x W x H: 145 x 115 x 40 mm**

2 x VGA/audio input, 1 x VGA/audio output

- 903.100
- RGB input / output: analogue HD-15 (VGA)
 - Impedance 75 ohms/Max. signal level 1 V p-p
 - RGB bandwidth: 400 MHz -3 dB
 - RGB return loss: 45 dB@10 MHz, 27 dB@100 MHz
 - Adjacent input crosstalk: 73 dB@10 MHz, 50 dB@100 MHz
 - Audio input / output: analogue 3.5 mm stereo/Max level 2 V p-p



For the switch / changeover switch **903.101** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 118) with visual acknowledgement as button illumination.

Art. no. | Version

Switch/changeover switch**L x W x H: 225 x 125 x 45 mm**

4 x VGA/audio input, 1 x VGA/audio output

- 903.101
- RGB input / output: analogue HD-15 (VGA)
 - Impedance 75 ohms/Max. signal level 1 V p-p
 - RGB bandwidth: 350 MHz -3 dB
 - RGB return loss: 45 dB@10 MHz, 32 dB@100 MHz
 - Audio input / output: analogue 3.5 mm stereo/Max level 2 V p-p

Suitable mountings on page 118



For the switch / changeover switch **903.102** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 118) with visual acknowledgement as button illumination.

Art. no. | Version

Switch / changeover switch

L x W x H: 482 x 170 x 45 mm

6 x VGA/audio input, 1 x VGA/audio output

- 903.102
 - RGB input / output: analogue HD-15 (VGA)
 - Impedance 75 ohms/Max. signal level 1 V p-p
 - RGB bandwidth: 400 MHz -3dB
 - RGB return loss: 45 dB@10 MHz, 2 dB@100 MHz
 - Audio input / output: analogue 3.5 mm stereo/Max level 2 V p-p
 - Mounting for 19" fitting included

Signal booster

- Interference can sometimes occur, particularly with image transmission. This may be caused e.g. by lower-power graphics cards on the laptop or by long cable lengths
- To improve these image signals we recommend that each user uses a signal booster
- This provides optimum boosting of the signals and prevents interference when used by different users
- Additional output (VGA 15HD) allows an additional monitor to be connected
- Compact, easily-installed unit



Art. no. | Version

Signal booster VGA

L x W x H: 150 x 70 x 35 mm

1 x VGA input, 2 x VGA output

- | | |
|---------|--|
| 903.104 | <ul style="list-style-type: none"> · RGB input / output: analogue HD-15 (VGA), <ul style="list-style-type: none"> – 1 x video IN/2 x video OUT – Impedance 75 ohms/Max. signal level 1 V p-p – Output gain 1.0 (unity) – RGB bandwidth: 400 MHz -3 dB – Power supply: 9 V DC 3 W · Includes power cable and operating instructions in German and English |
|---------|--|

Typical order for 4 presentation stations



Quantity	Art. no.	Description
4 x		Power strips from Bachmann facility systems with blank space for custom module
4 x	917.134	Custom module VGA, miniature jack and button for Media switch

Desk connection panel

Quantity	Art. no.	Description
4 x	903.104	VGA signal booster
4 x	918.009	VGA connecting cable from power strip to signal booster optional:
4 x	918.023	Mounting

Signal booster

Quantity	Art. no.	Description
1 x	903.101	Switch, 4-way, VGA + audio
1 x	918.023	Mounting

Switch

Quantity	Art. no.	Description
4 x	903.107-110	VGA + sound + authorisation cable set/ own choice of length
1 x	903.112	Signal converter, 2–6-way with acknowledgement

Cabling



Projector

Audio

Configuration information and lists of applications are available at www.bachmann.com.
Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

Media Control –

simple control of complex processes in media and facility applications.



Central control

To control a variety of media from a central point, control units are used. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy even for visitors or new users to grasp quickly. The various procedures can be individually performed between the operator panel (in the connection panel) and the control unit.

Simple to programme

Programming is very simple and can soon be set up with the software provided and the instruction manual (German/English). Subsequent alterations or additions can also be entered without problems.

The control functions can be used to control various media: e.g. projector, DVD, SAT, TV, projector screen, lighting, blinds etc.

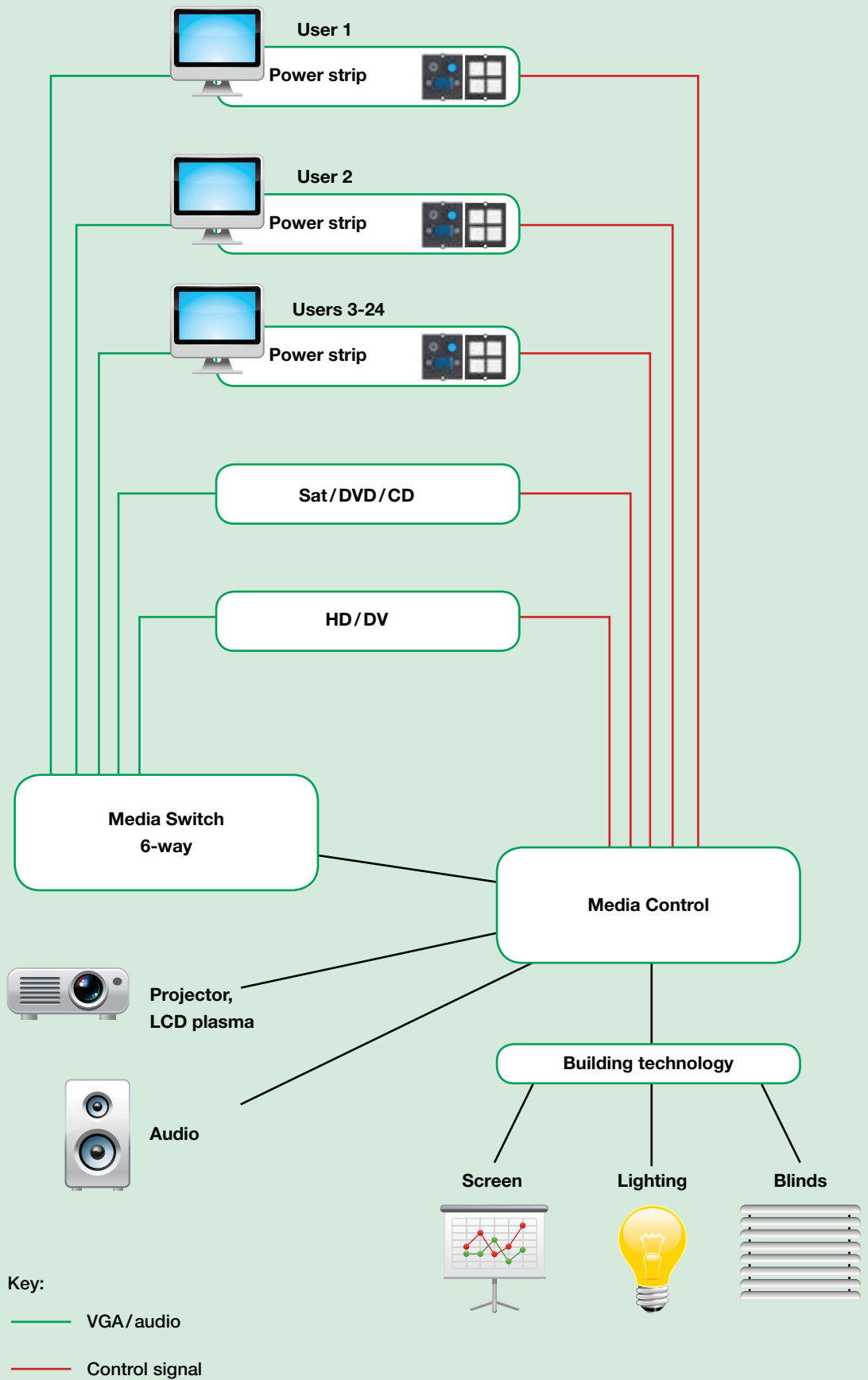
The 2 built-in 230 V~ 10 A relays can be used for example to connect a screen directly to the control unit. This means that a power cable is sufficient for control.

The advantages at a glance

- Central control of multiple media
- Very easy to use
- Simple to install and easy-to-learn programming
- Plug-and-play operation adapted to Bachmann connection panels
- Up to 6 button modules can be connected in series or 2 strings with additional modules can be programmed for up to 24 button commands
- Multiple buttons can be programmed on the control unit with the same command (thus also allowing decentralised control)
- Simple connection of button modules via standard RJ45 patch cables (plug/plug)
- 2 built-in relays, 230 V~ 10 A with 1 earthing contact coupling each for direct connection
- Ready-to-connect unit with accessories (programming cable, IR transmitter)
- Can be retrofitted to existing systems
- Pre-programmed demo version on CD
- Basic programming can be reinstalled if necessary (from CD or download)
- If desired, programming (sequences, devices etc.) can be created and made available by Bachmann as an option

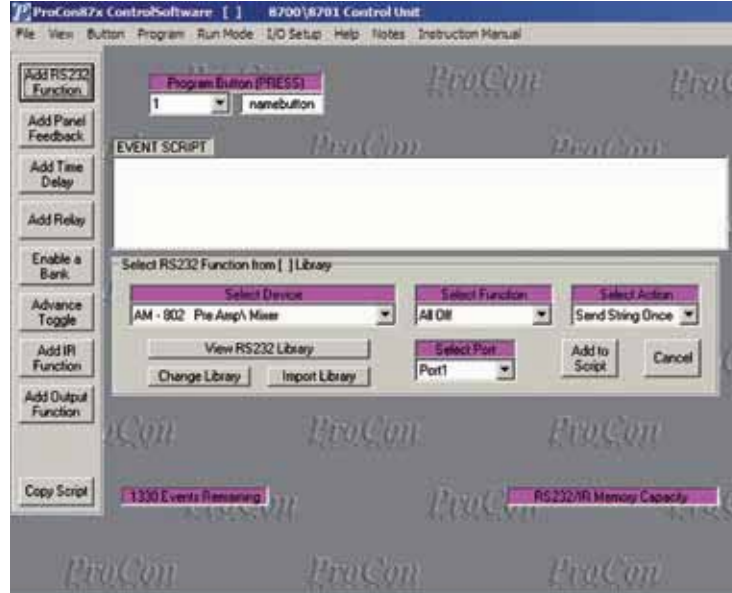


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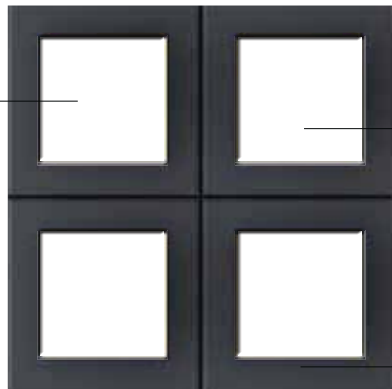


Media control

The software supplied makes even complex procedures simple to programme.



Start programmed procedures by pressing button



Pictograms for other button functions are provided

Cascadable up to 6 button arrays with 24 procedures

Keypad on page 118



Suitable mountings on page 118

Media Control

- Memory = 8 Kb
- 2 x 230V~ relays 10A built-in
- 2 x RS-232 interface
 - Baud rate 1200–57 600
 - Data bits 7/8
 - Stop bits 1/2
 - Command string 1–22 bytes
- 2 x infrared interface PPM or PWM
 - PWM frequency 30–62 KHz
- Power connection: 100–240V~
- PSU, programming cable, 2 x infrared transmitters, programming software and operating instructions in German and English included



Art. no. | Version

Control unit L x W x H: 225 x 125 x 45 mm

Control system with programming function

- 903.105* |
- Control system with programming function
 - I/O port: external switch detect input



Control unit TCP/IP L x W x H: 225 x 125 x 45 mm

Control system with programming function and TCP/IP interface

- 903.106* |
- Control system with programming function and TCP/IP interface
 - Devices from different manufacturers can communicate via the network
 - I/O port: Input: external switch detect

Programming according to requirements

Available for control units 903.105 and 903.106

- 903.114 |
- Programming is done by entering:
 - connected devices (manufacturer, type)
 - required procedures (max. 24 commands)
 - The file is sent via e-mail

*No storage type / Suitable mountings on page 118

Switch function

Combined source switch for 4 to 2 VGA, 6 to 2 S-video or CVBS and 10 to 2 stereo audio signals. In all cases the output signal is present on the two outputs at the same time.

Ideal for applications with multiple different signal sources - RGBHV, S-video, CVBS and audio. The six video inputs can be connected to either an S-video or a CVBS signal. A combination of both signal types is possible.

The 10 audio inputs are designed for unbalanced stereo audio signals. One output offers an unbalanced and the other a balanced stereo signal for further processing. The audio input signal levels and the volume of the audio outputs are adjustable. Sound and video can both be silenced (mute/blank).

Control function

The functions are controlled manually via the front operator panel or remotely via RS-232 from a button module on a connection panel. When operating the unit via RS-232 it is possible to switch audio and video inputs separately. A programmable RS-232 output port is also provided; this can be used to control displays or projectors.



Art. no. | Version

Switch/changeover switch presentation

L x W x H: 150 x 70 x 35 mm

4 x input/2 x output VGA, 10 x input/2 x output audio, 6 x input/2 x output S-video

- | | |
|---------|---|
| 903.103 | <ul style="list-style-type: none"> · Inputs/signals: 4 x RGBHV, 6 x S-video/CVBS, 10 x stereo audio · Outputs: 2 of each (dual) · Bandwidth: 350 MHz · Stereo audio: unbalanced to balanced · Front operator panel and operation via RS-232 · RS-232 control output for connected playback equipment · Power supply: 100 – 240V AC 15W · Includes power cable and operating instructions in German and English · Mounting for 19" fitting included |
|---------|---|

Suitable mountings on page 118

Typical order for 4 presentation stations



Quantity	Art. no.	Description
4 x		Power strips from Bachmann facility systems with blank space for custom module
4 x	917.134	Custom module VGA, miniature jack and button for Media switch
1-6 x	917.127	Custom module button

Desk connection panel

Quantity	Art. no.	Description
4 x	903.104	VGA signal booster
4 x	918.009	VGA connecting cable from power strip to signal booster
optional:		
4 x	918.023	Mounting

Signal booster

Quantity	Art. no.	Description
1 x	903.101	Switch, 4-way, VGA + audio
1 x	918.023	Mounting

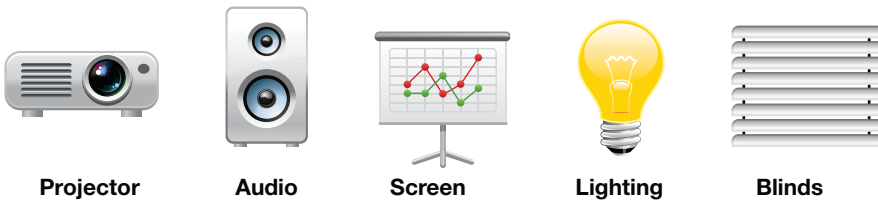
Switch

Quantity	Art. no.	Description
1 x	903.105	Control unit
1 x	903.111	Converter control unit

Control unit

Quantity	Art. no.	Description
1-6 x	918.006 - 008	Patch cable to connect custom module button 917.127

Cable output



Projector

Audio

Screen

Lighting

Blinds

Configuration information and lists of applications are available at www.bachmann.com. Should you have any questions concerning your project, contact us at media@bachmann.com for assistance.

Facility control modules



Pushbutton modules in the Bachmann custom-module format offer convenient control of light and blinds in open-plan and individual offices and in meeting and conference rooms.

The control module is installed within the user's easy reach on the desk connection panel at office workstations or in meeting rooms. Then the lighting and blinds settings can be controlled with ease from the user's seat. The increased convenience lets the user respond to changing environmental situations - and thus save energy.

KNX pushbutton module 4-way



The 4-way KNX pushbutton module is designed as a custom module and can be integrated into Bachmann desk connection panels either by the manufacturer or retrospectively. Installation in rack and electrical installations is also possible with the custom module system.

Functions such as switching, dimming, storage of lighting scenes, blind control etc. can be programmed by specialist personnel using the standard ETS software. For this, specialist knowledge and in-depth KNX training is required.

Each button can be custom configured and labelled accordingly (common pictograms are supplied). A blue lamp indicates the activity status.

This pushbutton module can be simply installed by KNX-trained personnel. The appropriate bus coupling is built into the module and can be simply connected to the bus cable by means of clips.

KNX/EIB 4-button custom module



Front:

- 4 x buttons, square, can be labelled, blue backlit, programmable on EIB/KNX installations
- With integral bus coupler and bus terminal (can be labelled with physical address)
- Power supply: system voltage 30V DC via bus terminal
- Use: e.g. as buttons for controlling lighting, blinds etc.



Art. no.	Version
917.056	

Micro clamp terminals

917.056	
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	Rear:
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- | | |
|--|--|
| | <ul style="list-style-type: none"> · Bus push-in terminals · Requires approx. 35 mm installation depth |
|--|--|



EnOcean pushbutton module 4-way

The EnOcean pushbutton module offers wireless control of e.g. lighting, blinds, projector screen etc. Installation is simple: the pushbutton module can be used in Bachmann desk connection panels with custom modules or in wall or trunking installations. The required control signals are transmitted wirelessly to the receiving device. Each button can be separately programmed. With 868 MHz EnOcean technology, interference is practically eliminated.

No cable installation is required for this module. Power is obtained from a built-in battery that will last for up to 1 million switching cycles.

If required the EnOcean pushbutton module can also be linked into the KNX building control system bus.

EnOcean 4-button custom module



Art. no. | Version

Micro clamp terminals

917.093

Rear:

- Includes battery
- Requires approx. 35 mm installation depth



Front:

- 4 x buttons, square, can be labelled, backlit blue
- Programmable on EnOcean applications
- Power supply: Battery-buffered radio module
- Includes inserter with common pictograms
- Use: e.g. as buttons for controlling lighting, blinds etc.



Custom modules

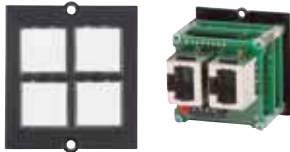
Art. no. | Version

Custom module VGA, miniature jack and button for media switch

917.134	<ul style="list-style-type: none"> · Custom module to fit in Bachmann connection panels · 1 x 15-pole VGA socket/socket · 1 x 3.5 mm miniature jack socket with approx. 0.1 m cable and 3.5 mm miniature jack socket · 1 x button, blue illuminated, with approx. 0.1 m cable and RJ12 for controlling switch · Requires approx. 70 mm installation depth
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Custom module with 4 x buttons for media control unit

Can be used in all facility systems



917.127	<ul style="list-style-type: none"> · Custom module, can also be retrofitted · 4 buttons, white, blue illuminated, with various pictograms for labelling · On rear: 2 x RJ45 sockets for connecting to media control unit and linking to further modules of the same type · Includes inserter with common pictograms · Requires approx. 80 mm installation depth
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Patch cable plug/plug

To connect custom module 917.127 to signal converter



918.006	1.0 m	· End 1: RJ45 plug Hirose TM12
918.007	3.0 m	· End 2: RJ45 plug Hirose TM12
918.008	5.0 m	· Shielded

Signal converter Media

Art. no. | Version

2-way signal converter

To implement the authorisation signals of each participant. Without visual acknowledgement on button



903.113	<ul style="list-style-type: none"> · Input: 2 x RJ12 socket · Output: 1 x 2-pole terminal for connection to switch · Can only be used with 903.100 switch
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For the switch / changeover switch 2 x, 4 x and 6 x VGA/audio, the custom module 917.134 is connected by means of the 2-6-way RS 232 signal converter (903.112) with visual acknowledgement as button illumination.

2-6-way signal converter

L x W x H: 225 x 125 x 45 mm

To implement the authorisation signals of each participant. With visual acknowledgement on button



903.112	<ul style="list-style-type: none"> · Input: 6 x RJ12 socket · Output: 1 x 9-pole RS-232 sub-D · With 1.0 m cable with push-in terminals to connect 2-pole terminal to switch · Includes PSU
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Converter box

For connecting an additional series of button modules



903.111	<ul style="list-style-type: none"> · Media converter for connection to control unit · End 1: RS-232 · End 2: RJ45 · Includes PSU
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Mounting for converter/control unit

For fitting under the tabletop



918.023	· Mounting to install unit under a tabletop (see page 102)
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Combi cables and extensions

Art. no.	Length	Version
15-pole VGA HD extension cable		
1 x VGA		
918.009	1.0 m	<ul style="list-style-type: none"> · High-quality VGA cable to connect: <ul style="list-style-type: none"> – connection panel to laptop – connection panel to signal booster – signal booster to monitor/TV (optional) · End 1: 1 x 15-pole VGA HD plug · End 2: 1 x 15-pole VGA HD plug
940.047	3.0 m	
940.048	5.0 m	
1 x VGA, 1 x miniature jack		
918.066	1.0 m	<ul style="list-style-type: none"> · High-quality VGA cable to connect: <ul style="list-style-type: none"> – connection panel to laptop – connection panel to signal booster – signal booster to monitor/TV (optional) · End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm · End 2: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm · Plug with metal housing and shielding
918.067	3.0 m	
918.068	5.0 m	
918.069	10.0 m	
Media combi cable		
1 x VGA, 1 x miniature jack, 1 x control signal		
903.107	1.0 m	<ul style="list-style-type: none"> · Professional high-quality VGA cable together with audio cable and control cable for switching switches via the pushbutton in custom module 917.134 · End 1: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug; 1 x RJ12 for button · End 2: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug; 1 x RJ12 for button · Plug with metal housing and shielding
903.108	3.0 m	
903.109	5.0 m	
903.110	10.0 m	



Accessories

Art. no.	Version
STEP BASE 3 x earthing contact, GST18i3	
Power outlet for switch and control unit	
336.600	<ul style="list-style-type: none"> · Plastic profile, black socket outlets · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, power output: GST18i3 socket



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