

## 875 950 PathFinder 4.0 MF 4 mm PI

### Common description with basic functions

The system PathFinder 4.0 MF 4 mm PI can be assembled with all common worldwide power sockets. It is a presentation system for HDMI, DisplayPort and VGA/A signals. Up to 192 different sources will be routed to a reproducing unit without any latency just pressing one button.

The integrated Ethernet port is permanently active and enables all users to load data at any time.

All incoming video- and audio sources will be refreshed automatically to the common standard.

The signals can be transmitted up to 100m from the output of the PathFinder 4.0 MF system with a CAT cable or a appropriate HDMI cable (see TLS cable matrix) to the reproducing units like projectors or displays.

In the system PathFinder 4.0 MF all required communication- and video-signals will be managed from the source to the sink and if needed the audio signal will be embedded or deembedded.

All electronic controlling and transmission modules for the system PathFinder 4.0 MF are integrated in a table connection box 305. No additional electronic devices will be needed for the usage of a PathFinder 4.0 MF system.

### Usage and controlling

The system PathFinder 4.0 MF 4 mm PI is a presentation system, integrated in a shapable table connection box 305. The table connection box can be placed on the table with a chamber-bevel of 2,5 mm in every conference- or seminar-table. The installation is quick and easy. Three backlighted select-buttons guarantee a simple and unique switching of HDMI, DisplayPort and VGA/A signals including all DDC and EDID data.

Up to 64 PathFinder 4.0 MF modules can be combined to one system, so it can be used as a presentation system in conference-, education- and trainingrooms.

The system can be configured by software to work in group mode, so it can work with several independant reproducing devices. If needed, the group mode can be switched off and can be reconfigured in standard mode. So the content of the source device will be displayed on all projectors and displays in the system.

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The system PathFinder 4.0.MF, configured in education mode, is able to work with 64 PathFinder modules, and can route all VGA/A, HDMI or DisplayPort signals to all monitors of the system, connected to the loop output port.

In Service Mode the user can work permanently with the USB Charger (1,5V) and with the 2-Port Ethernet Switch. The integrated 2-Port Ethernet switch enables all PathFinder modules to connect to the LAN and to the Internet.

The switching of the sources can be managed with the three backlighted buttons, by signal detection or with a media controller.

The configuration of the system PathFinder is web-based and the protocol is Telnet. If a media controller shall manage the whole system PathFinder 4.0, it can be done with the integrated IP gateway.

The reproducing units, which are integrated in a PathFinder system, can be controlled by HDBaseT cable and RS232 cable, or with an appropriate HDMI cable (see TLS cable matrix) and CEC controlling codes.

With the professional HDBaseT cabling, the PathFinder system is able to work with 100m cabling or with the professional TLS HDMI Kabel (see TLS HDMI cable matrix) directly with an appropriate reproducing unit like projectors, display, videowalls etc.

### Installation and power supply

With its modular philosophy and the professional cabling, the system PathFinder is very flexible and can be installed and reconfigured in a very short time. The bus cabling will be done on the back side with professional plugs from place to place in a daisy-chain way.

The cabling of a PathFinder 4.0 MF system, with its up to 64 PathFinder 4.0 modules, is done by using HDBaseT technology, so you can reach up to 100m from place to place.

All the electronic of the PathFinder system is completely integrated in the table installation module. No additional electronics or parts in 19" racks or in separate places were needed for the installation and usage of the PathFinder system.

The system PathFinder is shipped in a standard table installation module. It can work as stand-alone system or can be combined to system with up to 64 modules. It is a cost effective and practical system for every small, mid-sized and even big-sized seminar-, conference- and education-room.

The power supply of the PathFinder modules is realized with 3 pin Wieland plugs directly to the module. The power supply also can be done daisy-chain from module to module, so there is only one central point for the power supply.

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The internal power plug is feeded with 110 or 230V from the central power supply. Also the the power voltage for the electronics and the USB charging unit is powered by the central power supply. No additional power supply will be needed.

With the RJ45 connector on the back side, the PathFinder can be connected to the LAN with a standard patch cable.

### **General**

The system PathFinder 4.0 MF is constructed and equipped with electronic components of newest technological standard. All plugs and sockets are made for highest requirements. The device guarantees excellent switching of video- and audio-signals. Because of low latency you will work in a professional mode. The system PathFinder 4.0 is developed for professional usage in small, mid-size or even bigger conference-, training- and meeting-rooms and for all common sources and different reproducers like displays, projectors or TV-panels.