Twisted pair wallplate and floorbox transmitter
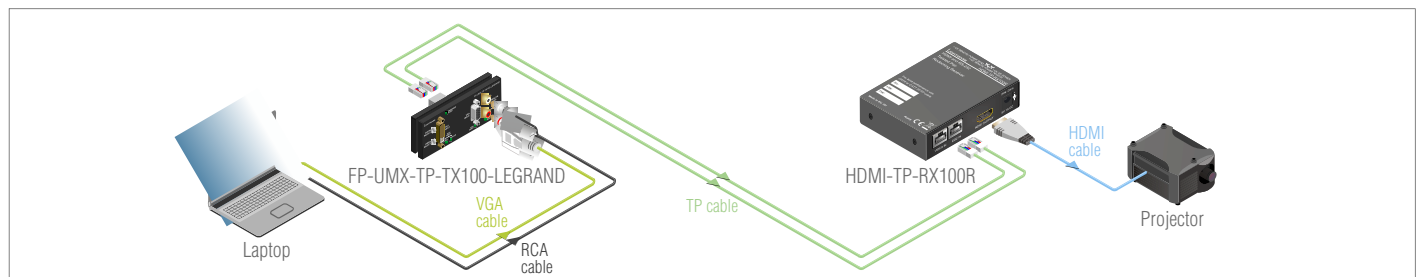

Highlight features

- Extends VGA, YPbPr, DVI and HDMI signals
- Accepts analog and digital audio signals
- Autoswitch and autosync function for video and audio inputs with priority
- HDCP compliant

WP-UMX-TP-TX100 and FP-UMX-TP-TX100 are all-round, universal video and audio extenders designed to handle digital video, analog video, and audio signals e.g. VGA, YPbPr, RGB, DVI and HDMI 1.3 with analog stereo or even 7.1 HDMI embedded audio. Analog signals are converted to digital formats and digital or digitized analog audio is embedded in the video stream. Video, audio and remote power are carried over two twisted pair cables. The transmitter handles HDCP encryption and has an HDCP enable/disable function.

Using factory, custom or transparent EDID emulation the user can fix and lock EDID data on the transmitter's input connector. Advanced EDID Management forces the required resolution from any VGA or HDMI laptop and fixes the output format conforming to the system performance.
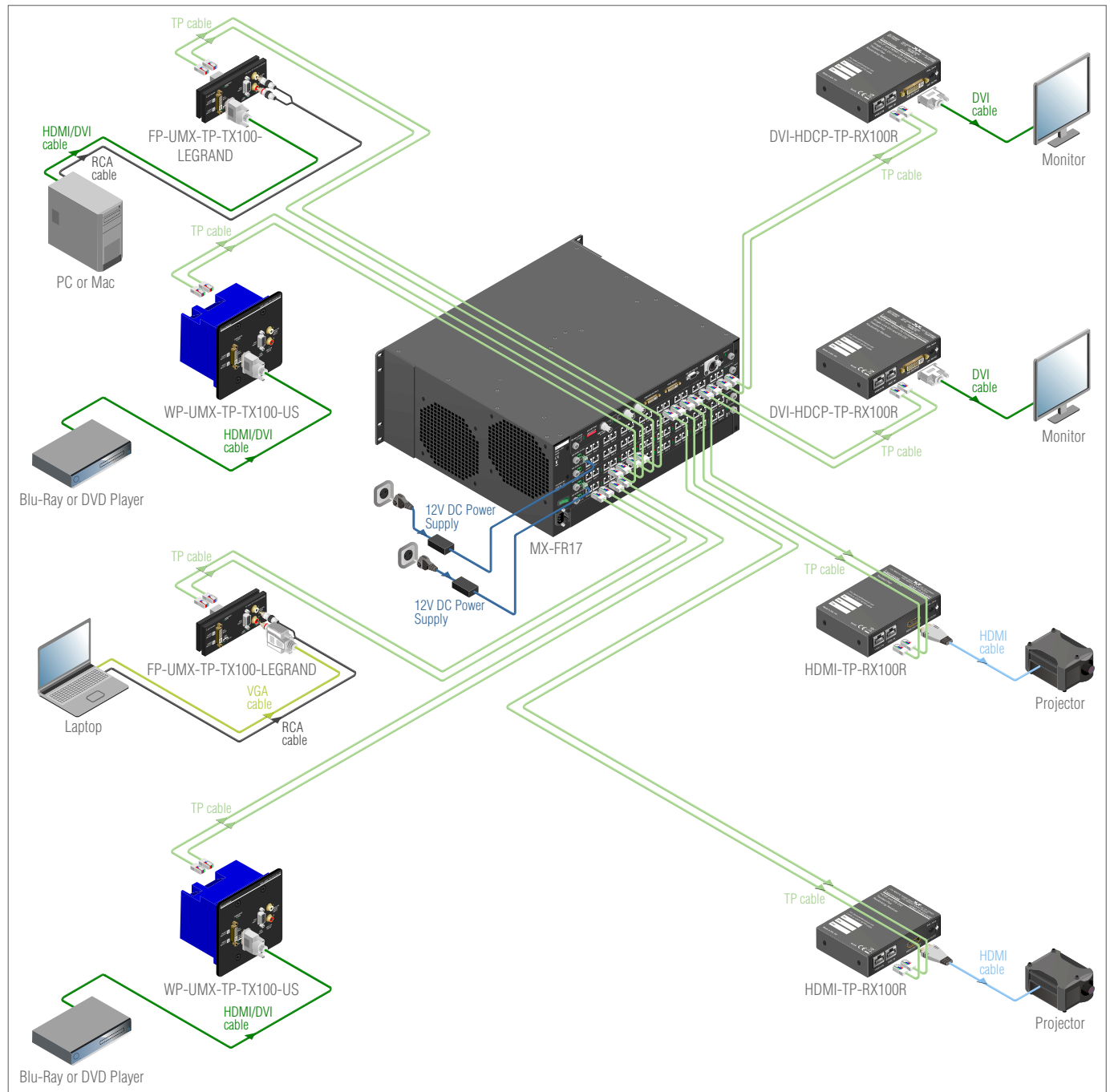
Control options available through compatible Lightware receivers which have serial RS-232 control port (e.g. HDMI-TP-RX100RA).

Standalone diagram

<u>Cross compatibility</u> between all the devices in the product series is ensured thanks to Lightware's attentive design. The transmitter can be paired with any receiver without restriction. With Lightware's Hybrid Modular Matrix concept, it is even possible to connect the WP-UMX-TP-TX100 or FP-UMX-TP-TX100 directly to the matrix router using an MX-HDMI-TP or MX-DVI-TP series input board.
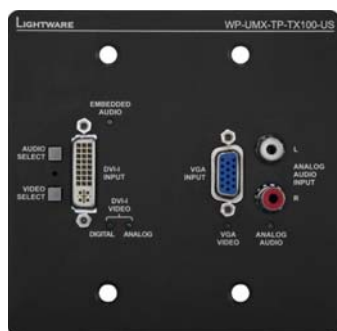
Integrated system operation

Available products

WP-UMX-TP-TX100-EU front and rear view

WP-UMX-TP-TX100-UK front and rear view

WP-UMX-TP-TX100-US front and rear view

WP-UMX-TP-TX100-EUROMOD front and rear view

FP-UMX-TP-TX100-GB3 front and rear view

FP-UMX-TP-TX100-LEGRAND front and rear view

Applications

- Executive boardrooms
- Conference rooms, collaborative telepresence
- Multiroom video and audio control
- Home theatre systems

Features

- Extends VGA, YPbPr, RGB, DVI and HDMI 1.3 signals
- Accepts analog stereo or even 7.1 HDMI embedded audio signals
- HDCP compliant
- Connectors: DVI-I and VGA for video, 2 x RCA for analog audio
- Autoswitch and autosync function for video and audio inputs with priority
- Audio embedding on output
- Max cable length of 65m (CAT7 SFTP)@1080p60, 40m (CAT5e UTP) @1080p60, 60m (CAT6 FTP) @1080p60
- All analog signals are converted to digital formats
- Auto select function for video and audio inputs
- Uncompressed video/audio up to 6.75 Gbps
- Input (video & audio) status LEDs
- Remote power source
- Easy, universal mounting

Specifications

Data rate:	6.75 Gbps (2.25 Gbps per color)
Resolution:	up to 1080p (HDTV) or 1920 x 1200
Input cable equalization:	automatic max 30 m
EDID support:	256 byte Extended EDID
HDCP pass through:	yes
VGA to digital conversion:	0 µs delay
Front panel control:	yes
Power:	12 V, powered from remote device through TP cables
Power consumption:	3.2 W (typ), 4 W (max)
Dimensions:	see the table below
Weight:	see the table below
Compliance:	CE
Warranty:	3 years

Connectors

Digital/analog video input:	DVI-I connector
Analog video input:	VGA connector
Analog audio input:	L+R RCA (Analog Stereo)
TP output:	2 x RJ45

Optional accessories for floorboxes

FP-UMX-TP-TX100-LEGRAND in a Legrand DLP floorbox panel. Please note that this accessory is not included.

FP-UMX-TP-TX100-GB3 is designed to mount in an OBO Bettermann - formerly Ackermann - floor box that holds GB3 insert modules. Please note that these accessories are not included.

Product series comparison

Product:	Product dimensions:	Box dimensions:	Weight:
WP-UMX-TP-TX100-EU	150 W x 80 H x 41.9 D mm	2-gang; 45 D mm	290 g
WP-UMX-TP-TX100-UK	140 W x 80 H x 41.9 D mm	2-gang; BS 4662; from 35 mm; 129 W x 68.3 H mm	280 g
WP-UMX-TP-TX100-US	115.9 W x 114.3 H x 41.9 D mm	2-gang; B225R	360 g
WP-UMX-TP-TX100-EUROMOD	99.6 W x 49.6 H x 41.9 D mm	Euromod 100 W x 50 H mm	200 g
FP-UMX-TP-TX100-GB3	134.5 W x 44.8 H x 41.9 D mm	GB3 P3; rectangular opening for a triple Modul 45 socket, L=147 mm	170 g
FP-UMX-TP-TX100-LEGRAND	112.6 W x 44.8 H x 41.9 D mm	Legrand 113 W x 45 H mm	200 g

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