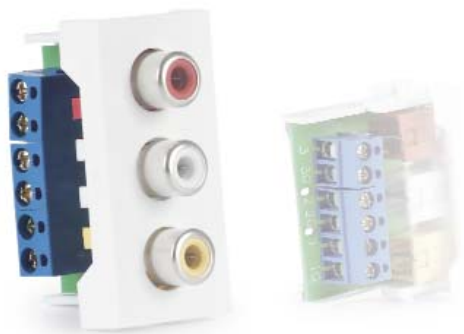




audiovisual systems

CONNECTION PANELS. INTEGRATED

Connection panel with VGA connectors, USB port, stereo audio and composite video.
Connection using screw terminal blocks. Surface installation box.



WPL-401

CHARACTERISTICS	Connection panel. Connection using screw terminal blocks. Surface installation box.
INPUTS	1 VGA, female D15 1 female USB A port 1 composite video, RCA 1 stereo audio, 2 x RCA 1 stereo audio, 3.5 mm jack
DIMENSIONS	86 x 86 x 52 mm depth
WEIGHT	0.2 kg

Connection panel with VGA connectors and 3.5 mm stereo jack with window for 1 connection panel.
Connection using screw terminal blocks.



WP-61VJ

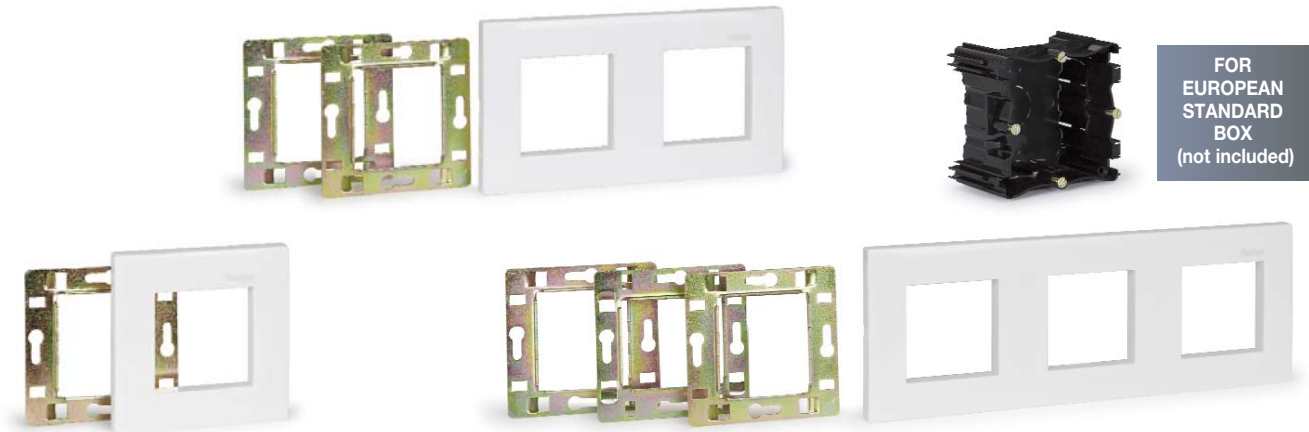
CHARACTERISTICS	Connection panel. Connection with screw terminal blocks. Window for 1 connection panel.
INPUTS	1 VGA, female D15 1 stereo audio, 3.5 mm jack
DIMENSIONS	86 x 86 x 24 mm depth

WP-62CJ

CHARACTERISTICS	Surface box for WP-61VJ.
INPUTS	-
DIMENSIONS	86 x 86 x 42 mm depth

CONNECTION PANELS. MODULAR

Frames and chassis for installation in square European standard flushmount box. Modular connection panel system for audiovisual installations, classrooms, conference rooms, etc.



FOR
EUROPEAN
STANDARD
BOX
(not included)

WP-89MCH

CHARACTERISTICS	Frame and chassis for installation in a square European standard flushmount box. Window for one connection panel.
DIMENSIONS	80 x 80 mm

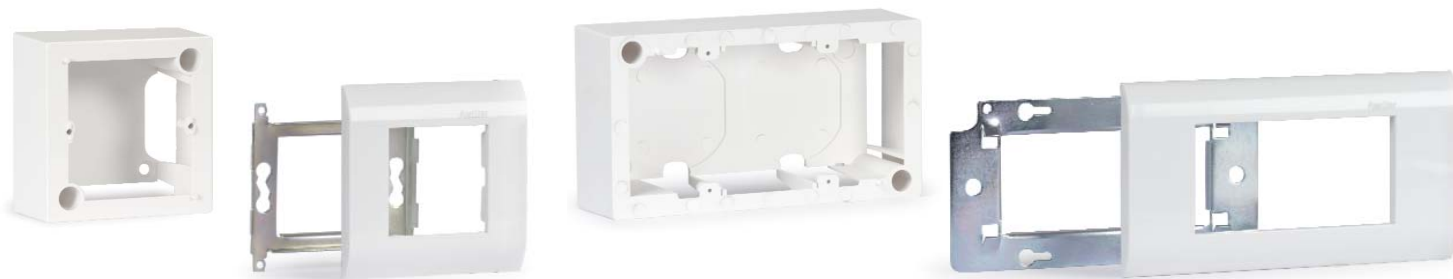
WP-150MCH

CHARACTERISTICS	Frame and 2 chassis for installation in 2 European standard boxes. 2 windows for 2 connection panels.
DIMENSIONS	150 x 80 mm

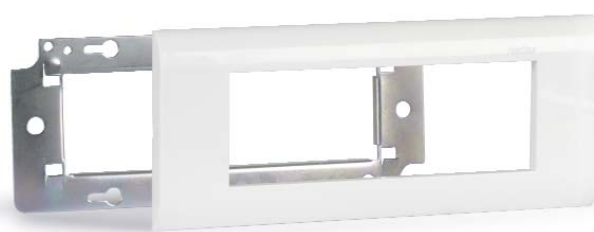
WP-220MCH

CHARACTERISTICS	Frame and 3 chassis for installation in 3 European standard boxes. 3 windows for 3 connection panels.
DIMENSIONS	220 x 80 mm

Frames, chassis and WP surface boxes. Modular connection panel system for audiovisual installations, classrooms, conference rooms, etc.


WP-85CJ
WP-86MCH
WP-148CJ
WP-149MCH

CHARACTERISTICS	Surface box for WP-86MCH frame and chassis.	Frame and chassis for the installation of WP-85CJ in a surface box. Window for 1 connection panel.	Surface box for WP-149MCH frame and chassis.	Frame and chassis for installation of WP-148CJ in surface box. Window for 2 connection panels.
DIMENSIONS	80 x 80 x 41 mm depth	80 x 80 mm	148 x 81 x 42 mm depth	148 x 80 mm


WP-194CJ

WP-195MCH

CHARACTERISTICS	Surface box for WP-195MCH frame and chassis.	Frame and chassis for installation of WP-194CJ in surface box. Window for 3 connection panels.
DIMENSIONS	194 x 81 x 42 mm depth	195 x 80 mm


WPB-4

CHARACTERISTICS	Surface box for 4 connection panels. To be installed on or under a table, or in a wall. Metal separations to guarantee electromagnetic insulation. Cable output on the back for an electrical distribution unit and on the bottom for a tube.
DIMENSIONS	208 x 62 x 100 mm depth

CONNECTION PANELS. MODULAR

Connection panels for audiovisual installations, classrooms, conference rooms, etc.

Modular connection panel system with different connectors.



WP-87T



WP-88T2



WP-33J

CHARACTERISTICS	Blank cover for 1 connection panel.	Blank cover for 1/2 a connection panel.	3.5 mm female stereo jack connector. 1/2 connection panel. Screw terminal blocks.
DIMENSIONS	45 x 45 x 33.3 mm depth	22.5 x 45 x 33.3 mm depth	22.5 x 45 x 33.3 mm depth



WP-34V



WP-51V



WP-52JVJ



WP-35T

CHARACTERISTICS	Female VGA D15 connector. 1/2 connection panel. Quick no screw connection	Female D15 VGA connector. 1/2 connection panel. Plug-in Euroblock connection.	1 VGA, female D15. 1 mic., 3.5 mm stereo jack. 1 headphone, 3.5 mm stereo jack. 1 connection panel. Quick connection without screws.	Spring terminals for speaker. 1 connection panel. Screw terminal blocks.
DIMENSIONS	22.5 x 45 x 42.6 mm depth	22.5 x 45 x 47 mm depth	45 x 45 x 45 mm depth	45 x 45 x 33.3 mm depth



WP-36J



WP-37H



WP-46H



WP-38K

CHARACTERISTICS	6.3 mm stereo jack connector. 1/2 connection panel. Quick no-screw or soldering connection.	Female HDMI connector. 1/2 connection panel. Connection through 90° female HDMI.	Female HDMI connector. 1/2 connection panel. Quick no-screw connection.	4-contact female speaker connector. 1 connection panel. Screw terminal blocks.
DIMENSIONS	22.5 x 45 x 35.4 mm depth	22.5 x 45 x 33.3 mm depth	22.5 x 45 x 39.2 mm depth	45 x 45 x 45 mm depth



WP-39X



WP-42R



WP-43R



WP-44S

CHARACTERISTICS	Female XLR connector. 1 connection panel. Screw terminal blocks.	2 RCA audio connectors L, R. 1/2 connection panel. Screw terminal blocks.	3 RCA video and audio connectors L, R. 1/2 connection panel. Screw terminal blocks.	Bipolar socket with earth. 250 V AC, 16 A. 1 connection panel. Screw terminal blocks. Safety shutter.
DIMENSIONS	45 x 45 x 47 mm depth	22.5 x 45 x 33.3 mm depth	22.5 x 45 x 33.3 mm depth	45 x 45 x 40.6 mm depth



WP-31UC

CHARACTERISTICS	USB charger. 1/2 connection panel. Screw terminal blocks.
CONNECTORS	Female USB A
INDICATORS	LED power indicator
CONTROLS	On/off button
OUTPUTS	5 V DC (1000 mA)
POWER SUPPLY	100-250 V AC



WP-53UC2

CHARACTERISTICS	USB charger. 1 connection panel. Screw terminal blocks
CONNECTORS	2 female USB A connectors with lid
INDICATORS	LED power indicator
CONTROLS	-
OUTPUTS	5 V DC (2 x 1200 mA)
POWER SUPPLY	100-240 V AC

45 x 45 x 47 mm depth



WP-32U



WP-45UB



WP-47U



WP-48P

CHARACTERISTICS	Female USB A connector. 1/2 connection panel. Screw terminal blocks.	Female USB B connector. 1/2 connection panel. Connection through 90° female USB A.	Female USB A connector. 1/2 connection panel. Connection through 90° female USB A.	Cable output. 1 connection panel.
DIMENSIONS	22.5 x 45 x 33.3 mm depth	22.5 x 45 x 33.3 mm depth	22.5 x 45 x 33.3 mm depth	45 x 45 x 14.2 mm depth



WP-49RJ



WP-50I

CHARACTERISTICS	RJ-45 FTP Cat 6 T568B connector. 1/2 connection panel. Quick no-screw connection.	LED indicator switch and surge protection. 230/115 V AC 15 A. 1/2 connection panel. Fast On connection or soldering.
DIMENSIONS	22.5 x 45 x 32.1 mm depth	22.5 x 45 x 33.5 mm depth



WP-51V-5

VGA connection panel for plugging in with preinstalled cable.
Length 5 m

WP-51V-10

10 m

Same characteristics as **WP-51V-5**. Length 10 m

WP-51V-15

15 m

Same characteristics as **WP-51V-5**. Length 15 m

WP-51V-20

20 m

Same characteristics as **WP-51V-5**. Length 20 m

AUDIO AMPLIFIERS. WALL MIXERS

Mixer for wall installation. Microphone, line and USB/SD/MP3 player inputs incorporated. Box for surface or flush mount installation. Specially designed for P. A. in gymnasiums, classrooms, sports centres etc.

- USB
- SD
- MP3
- MPEG



WM-40 **N!**

CHARACTERISTICS	Mixer for surface or flush mount installation in walls. Surface box to ease installation and wiring. Switched power supply source. USB/SD player for MP3 files. Remote control for MP3 player.
RESPONSE	Microphones: 80-15 000 Hz Aux: 45-18 000 Hz
DISTORTION	Harmonic: < 1% at 1 kHz
INPUTS	2 balanced mics./lines, combo (XLR and 6.3 mm jack), 600 Ω 3 mV and 47 000 Ω 100 mV, switchable 1 stereo auxiliary, 3.5 mm, 47 000 Ω 300 mV 1 stereo auxiliary, 2 x RCA, 47 000 Ω 300 mV
OUTPUTS	1 balanced and unbalanced stereo/mono master, 2 x XLR and 2 x RCA 100 mV, 300 mV or 1 V, selectable level 1 line out, 2 x RCA, 1 V
FUNCTIONS	USB/SD/MP3 player for flash drives up to 16 GB LED output signal level indicators
CONTROLS	Tones Bass: ±10 dB at 100 Hz Treble: ±10 dB at 10 000 Hz Volume: inputs 1 and 2, aux 1 and 2 and USB/SD/MP3 player
PHANTOM	15 V
POWER SUPPLY	100-240 V AC, 8 W maximum
DIMENSIONS	Total: 237 x 239 x 102 mm depth Insert: 219 x 182 x 91 mm depth
WEIGHT	3.1 kg

Wall amplifier, 100 W RMS with microphone, line and USB/SD/MP3 player inputs incorporated. Case for flush mount or surface assembly. Specially designed for systems in gymnasiums, classrooms, sports centres, etc.

CLASS D
100 W RMS
USB
SD
MP3
MPEG


WA-4100

CHARACTERISTICS	Wall amplifier for surface or flush mounting. Surface box to ease installation and wiring. Class D amplifier circuit. Switched power supply source. USB/SD player for MP3 files. Remote control for MP3 player. Switch with key.
POWER	150 W maximum, 100 W RSM
RESPONSE	Microphones: 80-15,000 Hz Aux: 45-18,000 Hz
DISTORTION	Harmonic: <1% at 1 kHz
INPUTS	2 balanced mics./lines, combo (XLR and 6.3 mm jack), 600 Ω 3 mV and 47,000 Ω 100 mV, switchable 1 stereo auxiliary, 3.5 mm jack, 47,000 Ω 300 mV 1 stereo auxiliary, 2 x RCA, 47,000 Ω 300 mV
OUTPUTS	1 line out, 2 x RCA, 1 V
FUNCTIONS	USB/SD/MP3 player for memories of up to 16 GB LED indicators for the output signal level
CONTROLS	Tones Bass: ± 10 dB at 100 Hz Treble: ± 10 dB at 10,000 Hz Volume: inputs 1-2, aux 1-2 and USB/SD/MP3 player
PHANTOM	15 V
IMPEDANCE	4 to 16 Ω , 2 parallel outputs, screw terminals and banana plugs
POWER SUPPLY	230/115 V AC, 180 W maximum
DIMENSIONS	Total: 237 x 239 x 102 mm depth Insert: 215 x 182 x 91 mm depth
WEIGHT	3.4 kg

AUDIO AMPLIFIERS. WALL

Wall amplifier 2 x 2 W RMS, with USB/SD/MP3 player and auxiliary input.
Compact size for a flush mount or surface box. Ideal for small sound system installations or domestic use.



2 x 2 W RMS

USB SD MP3 MPEG

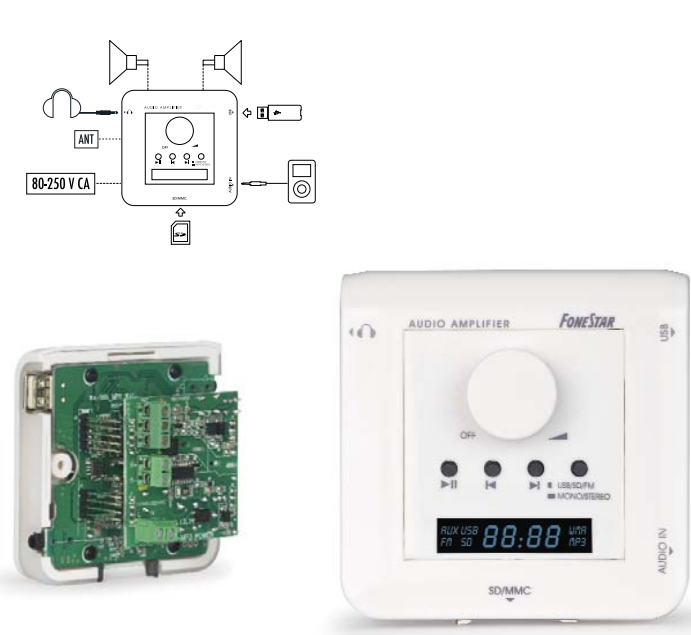
WA-22A

CHARACTERISTICS	Compact Hi-Fi stereo amplifier for standard flush mount or surface box. USB/SD MP3 file player. Stereo loudspeaker output.
POWER	2 x 2 W RMS at 4 Ω 2 x 1 W RMS at 8 Ω
MP3 PLAYER	USB and SD port
INPUTS	1 auxiliary, 3.5 mm stereo jack
OUTPUTS	Speakers: 4-8 Ω, screw terminal blocks
POWER SUPPLY	80-250 V AC, 10 W
DIMENSIONS	Total: 82 x 82 x 70 mm depth Insert: 70 x 70 x 40 mm depth
WEIGHT	0.1 kg
OPTIONAL	Surface box WP-80CJ

WP-80CJ

CHARACTERISTICS	Surface box for WA-22A and WA-56R.
DIMENSIONS	82 x 82 x 40 mm depth Compatible with the Legrand Mosaic II series.

Wall amplifier 2 x 2 W RMS, with FM radio, USB/SD/MP3 player, auxiliary input and headphone output.
Compact size for flush mount or surface boxes. Ideal for small P. A. installations or domestic use.



2 x 2 W RMS

USB SD MP3 MPEG RADIO

WA-56R

CHARACTERISTICS	Compact Hi-Fi stereo amplifier for standard flush mount or surface box. USB/SD player for MP3 files. Digital FM radio tuner. Display showing chosen source and track, FM frequency. Selectable mono/stereo speaker output. FM aerial cable included.
POWER	2 x 2 W RMS at 4 Ω 2 x 1 W RMS at 8 Ω
MP3 PLAYER	USB and SD port
TUNER	Digital FM with pre-tuned channels and auto scan
INPUTS	1 auxiliary, 3.5 mm stereo jack
OUTPUTS	Speakers: 4-8 Ω, Screw terminal blocks Headphones: 3.5 mm stereo jack
POWER SUPPLY	80-250 V AC, 10 W
DIMENSIONS	Total: 82 x 82 x 70 mm depth Insert: 70 x 70 x 40 mm depth
WEIGHT	0.1 kg
OPTIONAL	Surface box WP-80CJ

2 x 2 W RMS
USB
SD
MP3
MPEG
RADIO


KS-01

Ideal audio system for offices and the home, medium-sized rooms, kitchens, etc. Easily integrated and installed, high quality audio. It has all the necessary elements for its installation. It has a compact hi-fi stereo amplifier, 2 x 2 W RMS, with USB/SD/MP3 player, FM radio, auxiliary input and headphone output, surface box, 2 x 2" halogen lamp sized ceiling speakers, an aerial cable and parallel speaker cable.

CHARACTERISTICS	Wall amplifier and ceiling speakers.
COMPONENTS	1 WA-56R: Compact hi-fi stereo amplifier 2 x 2 W RMS with surface box. USB/SD player for MP3 files. Digital FM radio tuner. Audio input, 3.5 mm stereo jack LCD display. Stereo speaker output. Only 80-250 V AC mains power supply is necessary. 2 GA-254: 2" halogen lamp sized ceiling speakers, manufactured in steel with round grille.
DIMENSIONS	Amplifier Total: 82 x 82 x 70 mm depth Insert: 82 x 82 x 53 mm depth Loudspeakers: 80 mm Ø x 35 mm depth
WEIGHT	0.3 kg
ACCESSORIES	Surface box WP-80CJ 10 m loudspeaker cable Aerial cable

2 x 2 W RMS
USB
SD
MP3
MPEG


KS-02

Ideal audio system for offices and the home, medium-sized rooms, kitchens, etc. Easily integrated and installed, high quality audio. It has all the necessary elements for its installation. It has a compact hi-fi stereo amplifier, 2 x 2 W RMS, with USB/SD/MP3 player, auxiliary input and headphone output, surface box, 2 x 2" halogen light sized ceiling speakers and parallel speaker cable.

CHARACTERISTICS	Wall amplifier and ceiling speakers.
COMPONENTS	1 WA-22A: Compact hi-fi stereo amplifier 2 x 2 W RMS with surface box. USB/SD player for MP3 files. Auxiliary input, 3.5 mm stereo jack. Stereo speaker output. Only 80-250 V AC mains power supply is necessary. 2 GA-254: 2" halogen lamp sized ceiling speakers, manufactured in steel with round grille.
DIMENSIONS	Amplifier: Total: 82 x 82 x 70 mm depth Insert: 82 x 82 x 53 mm depth Loudspeakers: 80 mm Ø x 35 mm depth
WEIGHT	0.3 kg
ACCESSORIES	Surface box WP-80CJ 10 m speaker cable

AUDIO AMPLIFIERS. WALL

2 x 2 W RMS

USB

SD

MP3

MPEG

RADIO



KS-03

CHARACTERISTICS	Wall amplifier and ceiling speakers.
COMPONENTS	1 WA-56R: Compact stereo hi-fi amplifier 2 x 2 W RMS with surface box. MP3 file USB/SD player. Digital FM radio tuner. Auxiliary input, 3.5 mm stereo jack LCD display Selectable mono/stereo speaker output Headphone output, 3.5 mm stereo jack Only 80-250 V AC electric current power supply is needed 2 x GA-259: Halogen lamp-sized 3" hi-fi speakers, manufactured in steel, round grille.
DIMENSIONS	Amplifier: Total: 82 x 82 x 70 mm depth Insert: 82 x 82 x 53 mm depth Loudspeakers: 105 mm Ø x 50 mm depth
WEIGHT	0.3 kg
ACCESSORIES	WP-80CJ surface box 10 m speaker cable Aerial cable

Ideal audio system for offices and the home, medium-sized rooms, kitchens, etc. Easily integrated and installed, high quality audio. The audio kit KS-03 has all the necessary elements for its installation. It has a compact hi-fi stereo amplifier, 2 x 2 W RMS, with USB/SD/MP3 player, FM radio, auxiliary input and headphone output, surface box, 2 x 3" halogen light sized ceiling speakers, an aerial cable and parallel speaker cable.

2 x 5 W RMS

USB

MP3

MPEG

RADIO



KS-05

CHARACTERISTICS	Wall amplifier and ceiling speakers.
COMPONENTS	Compact Hi-Fi stereo amplifier, 2 x 5 W maximum with flush mount box 2.0 bluetooth receiver USB player for MP3 files Digital FM radio tuner LCD display Only 230 V AC mains current power supply necessary 2 x 5" double cone loudspeakers, 15 W 8 Ω, manufactured in steel, round grille
TUNER	Digital FM
OUTPUTS	Speakers: 8 Ω, screw terminal blocks
DIMENSIONS	Amplifier: Total: 86 x 86 x 60 mm depth Insert: 82 x 82 x 53 mm depth
WEIGHT	1.4 kg
ACCESSORIES	Flush mount box 5 m loudspeaker cable Remote control

Ideal audio system for offices and the home, medium-sized rooms, kitchens, etc. Easily integrated and installed, high quality audio. It has all the necessary elements for its installation. It has a compact Hi-Fi stereo amplifier, 2 x 5 W maximum, with bluetooth receiver allowing music playback from your mobile telephone through bluetooth, USB/MP3 player, FM radio, flush mount case, 2 x 5" double cone ceiling loudspeakers, an aerial cable and parallel speaker cable.

AUDIO AMPLIFIERS. COMPACT

FONESTAR

Compact Hi-Fi stereo amplifier, 2 x 15 W RMS with one micro and one auxiliary line input. Specially designed for use in audio installations. Highly reliable with high quality audio. Compact and robust construction. Highly efficient class D amplification circuit.

CLASS D 2 x 15 W RMS

WA-2150

CHARACTERISTICS	Compact Class D stereo amplifier. Steel case for surface assembly. Remote control output for power and volume adjustment. Stereo speaker output.
POWER	2 x 15 W RMS at 4 Ω
PROTECTION	Short-circuit and temperature
RESPONSE	20-20,000 Hz
DISTORTION	Harmonic: 0.06% at 1 kHz
INPUTS	1 dynamic mic., 6.3 mm mono jack 1 auxiliary line, 3.5 mm stereo jack
OUTPUTS	4-8 Ω speakers, Euroblock 1 remote control, RJ-45
CONTROLS	General volume Input signal selector: mic. or line Volume control selector: local or remote
INDICATORS	LED power indicator
POWER SUPPLY	12 V DC, 2 A with adapter included
DIMENSIONS	115 x 31 x 98 mm depth
WEIGHT	0.3 kg (with adapter included)
OPTIONAL	Remote control mod. MC-2150

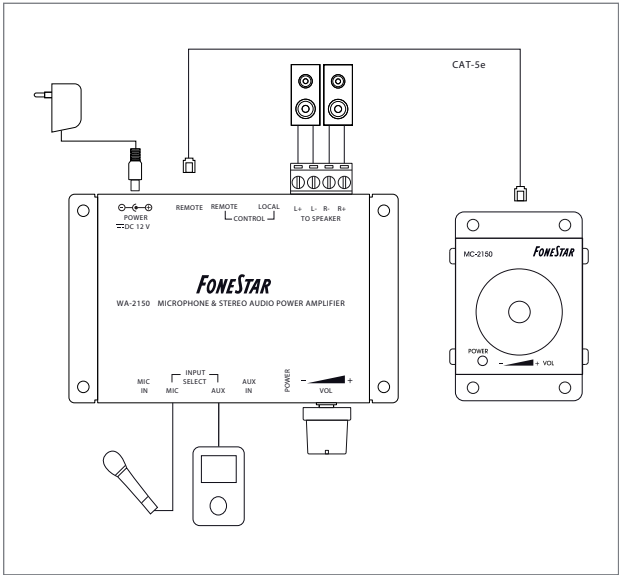


Remote control for wall amplifier model WA-2150.



MC-2150

CHARACTERISTICS	Remote control for turning on the model WA-2150 wall amplifier and adjusting its volume. Connection with Cat 5e cable.
INPUTS	1 remote control, RJ-45
CONTROLS	On/off General volume
DIMENSIONS	48 x 61 x 41.5 mm depth
INDICATORS	LED power indicator



AUDIO AMPLIFIERS. COMPACT

Reliable, high quality and compact stereo amplifier especially designed for use in audio installations.

Compact and robust construction. Class D highly efficient amplification circuit.

Automatic stand-by function that activates or deactivates the stand-by mode depending on the audio signal presence in the input. Designed to stand periods of intense work. Assembly recommended in small installations, behind flat screens, news-stands or stalls, digital billboards or classrooms.



WA-2200

CHARACTERISTICS	Compact hi-fi stereo amplifier. Auto standby function. Auxiliary input with adjustable sensitivity. Independent volume control per channel, and treble and bass tone controls. Steel box for surface assembly. Stereo speaker output.
POWER	2 x 15 W RMS at 8 Ω 2 x 20 W RMS at 4 Ω
PROTECTION	Overload, temperature and short-circuit
RESPONSE	50 - 18,000 Hz ±3 dB
DISTORTION	Harmonic: < 0.05% at 1kHz
INPUTS	1 unbalanced auxiliary, 2 x RCA 10,000 Ω 100 mV - 2 V, adjustable
OUTPUTS	Speakers: 4-8 Ω, spring terminals
CONTROLS	Input sensitivity, volume per channel and equalization
S/N RATIO	≤ 85 dB
POWER SUPPLY	24 V DC, 2 A with adapter included
DIMENSIONS	230 x 55 x 145 mm depth
WEIGHT	1.3 kg (adapter included)

Compact Hi-Fi stereo amplifier, 2 x 15 W RMS, with one optical digital audio or SPDIF input and two auxiliary lines. Headphone output. Suitable for amplifying the TV digital audio output or for listening through headphones. Highly reliable with high quality audio. Compact and robust construction. Highly efficient class D amplification circuit.



CLASS D

2 x 15 W RMS

WA-2154D

CHARACTERISTICS	Compact class D stereo amplifier. Steel case for surface assembly. Digital and analogue audio inputs. Stereo speaker output. Headphone output.
POWER	2 x 15 W RMS at 4 Ω
PROTECTION	Short-circuit and temperature
RESPONSE	20-20 000 Hz
DISTORTION	Harmonic: 0.06 % at 1 kHz
INPUTS	1 optical SPDIF, toslink 1 coaxial SPDIF, RCA 2 auxiliary lines, 2 x RCA and 3.5 mm stereo jack
OUTPUTS	4-8 Ω speakers, Euroblock 1 auxiliary line, 2 x RCA 1 headphones, 3.5 mm stereo jack
CONTROLS	Input signal selector Digital input signal selector: optical or coaxial General volume Headphone volume
INDICATORS	LED power indicator LED indicator for input 1 signal
POWER SUPPLY	12 V DC, 2 A with adapter included
DIMENSIONS	205 x 25 x 108 mm depth
WEIGHT	0.6 kg (with adapter included)

EXTENSIONS. AUDIO/VIDEO AND DATA

FONESTAR

USB extension via Cat 5e/6 cable.

To increase the capacity and use of the USB devices, web cams, barcode scanners, keyboards and mice, etc.



FO-358

CHARACTERISTICS	USB extension using Cat. 5e/6 cable. Transmitter and receiver pair. Transmission distance of up to 45 m. Compatible with USB 1.1, without the need for PC or Mac drivers.
INPUTS/OUTPUTS	USB A
POWER SUPPLY	Through USB, 5 V DC, 20 mA
DIMENSIONS	Transmitter and receiver: 65 x 23 x 38 mm depth
WEIGHT	2 x 0.1 kg

Audio and video balun extension through Cat. 5e cable.

Transmits 2 audio signals and 2 composite video signals through one Cat 5e cable.



FO-359

CHARACTERISTICS	Analogue video and audio balun extension via category 5e cable. Transmitter and receiver pair. Max transmission distance to 300 m for audio signal and 670 m for composite video signal. Balances/unbalances the signal and adapts impedances. Reversible (can be used as sender and as receiver). Power supply is not needed.
INPUTS/OUTPUTS	2 auxiliary, RCA 600 Ω . 2 composite video, RCA 75 Ω 1.1Vpp. 1 RJ-45, audio 1 (pin 1 & 2), audio 2 (pin 3 & 6), video 1 (pin 7 & 8), video 2 (pin 4 & 5)
RESPONSE	Audio: 60-50 000 Hz Video: CC-8MHz
TRANSMISSION PARAMETERS	Insertion losses less than 2dB (CC-8MHz). Return losses over 15dB (CC-8MHz). Common-mode rejection over 40dB at 8MHz
DIMENSIONS	93 x 30 x 77 mm depth
WEIGHT	2 x 0.2 kg
ACCESSORIES	Wall mounts for hanging

VGA. SWITCHERS

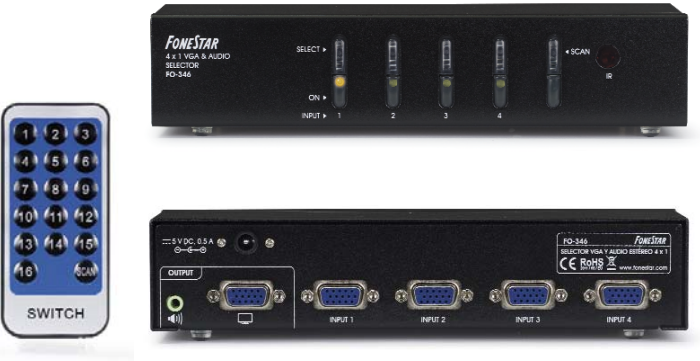
VGA switchers. For choosing which input is sent to the output. Amplifies the output signal and includes remote control.



450 MHz QXGA 2048 x 1536, 60 Hz

FO-340 **NI**

CHARACTERISTICS	2 x 2 VGA switcher. Compatible up to 2048 x 1536. Bandwidth 450 MHz. Transmission distance up to 60 m. Metal chassis. Remote control.
INPUTS	2 VGA, female D15
OUTPUTS	2 VGA, female D15
CONTROLS	Input selection buttons
INDICATORS	LED selected input indicators
POWER SUPPLY	5 V DC, 0.5 A with adapter included
DIMENSIONS	130 x 42 x 75 mm depth
WEIGHT	0.4 kg



250 MHz WUXGA AUDIO 1920 x 1440, 60 Hz

FO-346 **NI**

CHARACTERISTICS	4 x 1 VGA and stereo audio switcher. Compatible up to 1920 x 1440. Bandwidth 250 MHz. Transmission distance up to 65 m. Metal chassis. Remote control.
INPUTS	4 VGA + audio, female D15
OUTPUTS	1 VGA, female D15 1 audio, 3.5 mm stereo jack
CONTROLS	Input selection buttons
INDICATORS	LED selected input indicators
POWER SUPPLY	5 V DC, 0.5 A with adapter included
DIMENSIONS	200 x 42 x 75 mm depth
WEIGHT	0.6 kg
ACCESSORIES	4 male VGA cables and 3.5 mm stereo plug to male VGA



250 MHz WUXGA AUDIO 1920 x 1440, 60 Hz

FO-348 **NI**

CHARACTERISTICS	8 x 1 VGA and stereo audio switcher. Compatible up to 1920 x 1440. Bandwidth 250 MHz. Transmission distance up to 65 m. Metal chassis. Remote control.
INPUTS	8 VGA + audio, female D15
OUTPUTS	1 VGA, female D15 1 audio, 3.5 mm stereo jack
CONTROLS	Input selection buttons
INDICATORS	LED selected input indicators
POWER SUPPLY	5 V DC, 0.5 A with adapter included
DIMENSIONS	200 x 42 x 75 mm depth
WEIGHT	0.6 kg
ACCESSORIES	8 male VGA cables and 3.5 mm stereo plug to male VGA

VGA. SPLITTERS



VGA splitters.
For splitting and amplifying the VGA signal up to a distance of 65 m.
Cascade connections are accepted, with a maximum of 3 levels that allow you to increase the number of outputs.



250 MHz

XGA

1920 x 1440, 60 Hz

FO-342

CHARACTERISTICS	VGA Splitter. Compatible with VGA, SVGA, XGA, (1920 x 1440, 60 Hz), multi-frequency monitors and DDC for local monitor. Bandwidth: 250 MHz. Transmission distance up to 65m. Up to 3-level cascade connection. Metal chassis.
INPUTS	1 VGA, D 15 female
OUTPUTS	2 VGA, D 15 female
INDICATORS	LED power indicator
POWER SUPPLY	5 V DC, 120 mA with adapter included
DIMENSIONS	130 x 45 x 75 mm depth
WEIGHT	0.4 kg



250 MHz

XGA

1920 x 1440, 60 Hz

FO-344

CHARACTERISTICS	VGA Splitter. Compatible with VGA, SVGA, XGA, (1920 x 1440, 60 Hz), multi-frequency monitors and DDC for local monitor. Bandwidth: 250 MHz. Transmission distance up to 65m. Up to 3-level cascade connection. Metal chassis.
INPUTS	1 VGA, D 15 female
OUTPUTS	4 VGA, D 15 female
INDICATORS	LED power indicator
POWER SUPPLY	230 V AC/5 V DC, 200 mA with adapter included
DIMENSIONS	200 x 45 x 75 mm depth
WEIGHT	0.6 kg

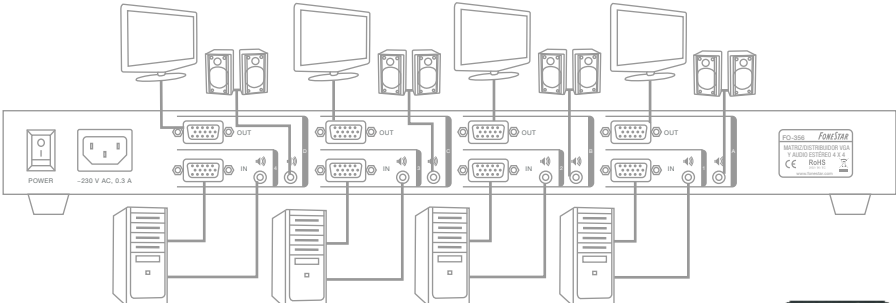
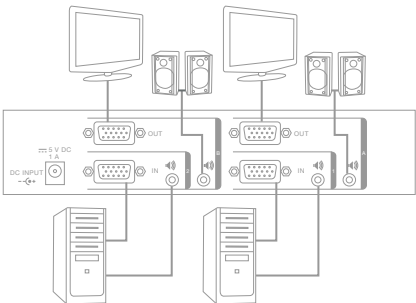
VGA. MATRICES

VGA matrix/splitter and 2 x 2 stereo audio in mod. FO-350 and and 4 x 4 stereo audio in mod. FO-356. Individually selects which input is sent to each output. Distributing function which quickly sets the matrix to send an input to all the outputs. Amplifies the output signal and includes a remote control.

- 450 MHz
- XGA
- 1920 x 1440, 60 Hz



FO-350



FO-356

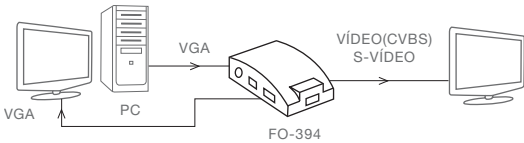


- 450 MHz
- XGA
- 1920 x 1440, 60 Hz

	FO-350	FO-356
CHARACTERISTICS	VGA and 2 x 2 stereo audio matrix/splitter. Compatible with VGA, SVGA, XGA and WXGA. Bandwidth 450 MHz. Transmission distance of up to 65 m. Metal chassis. Remote control.	VGA and stereo audio 4 x 4 matrix/splitter. Compatible with VGA, SVGA, XGA and WXGA. Bandwidth 450 MHz. Transmission distance of up to 65 m. Metal chassis. Remote control.
INPUTS	2 VGA, female D15 2 audio, 3.5 mm stereo jack	4 VGA, female D15 4 audio, 3.5 mm stereo jack
OUTPUTS	2 VGA, female D15 2 audio, 3.5 mm stereo jack	4 VGA, female D15 4 audio, 3.5 mm stereo jack
CONTROLS	Input selection buttons	Input selection buttons
INDICATORS	Indicators for the input selected in each output	Indicators to show the selected input in each output
POWER SUPPLY	5 V DC, 1 A with adapter included	110-230 V AC, 0.3 A
DIMENSIONS	200 x 45 x 75 mm depth	440 x 43 x 150 mm depth. 1U 19" rack
WEIGHT	0.6 kg	1.9 kg
ACCESSORIES	-	Mounts for assembly in 19" rack

VGA. CONVERTER

VGA to composite video and s-video converter.



FO-394

CHARACTERISTICS	VGA to composite video and s-video converter. Allows a PC to be connected to a screen or a video projector. Converts a VGA signal into a composite video or s-video signal. All outputs have a simultaneous signal. VGA output for local monitor. Image size adjustment. Video equalization menu. Power supply through USB port or mains adapter (included). PAL /NSTC/multi system, selectable
INPUTS	1 VGA 0.5-1 Vpp (DDC 5 Vpp TTL)
OUTPUTS	1 VGA for local monitor 1 composite video, RCA 1 S-video, mini DIN 4
ACCEPTED FORMATS	640 x 480 (60/75/85 Hz), 840 x 600 (60 Hz),, 800 x 600 (75/85 Hz), 1024 x 768 (60/75 Hz) and 1280 x 1024 (60/75/85 Hz)
POWER SUPPLY	5 V DC, 5 W maximum
DIMENSIONS	100 x 27 x 60 mm depth
WEIGHT	0.1 kg
ACCESSORIES	5 V DC adapter, 1 A, power supply cable through USB, VGA cable and RCA video cable

Audio and power supply through USB. Especially for laptop computers.

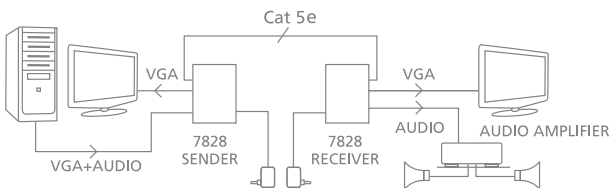


FO-395

CHARACTERISTICS	VGA to composite video and S-video converter. Power supply through USB port. It allows you to connect a PC to a screen or video projector. Audio signal connection. All outputs have simultaneous signal.
INPUTS	1 VGA, D15 plug with 45 cm cable 1 audio, 3.5 mm stereo jack with 45 cm cable 1 USB A power supply jack with 45 cm cable
OUTPUTS	1 stereo audio, 2 x RCA 1 composite video, RCA 1 S-Video, mini DIN 4
INDICATORS	LED power indicator
ACCEPTED FORMATS	640 x 480 (60/75 Hz), 800 x 600 (60/75 Hz), 1024 x 768 (60/75 Hz) 1280 x 768 (60 Hz), 1280 x 1024 (60 Hz)
POWER SUPPLY	5 V DC, 1 A through USB
DIMENSIONS	130 x 27 x 75 mm depth
WEIGHT	0.1 kg

VGA. EXTENSIONS

VGA and stereo audio extension through Cat 5e cable.



350 MHz

AUDIO

SXGA

1920 x 1440, 60 Hz

7828

CHARACTERISTICS	VGA and stereo audio extension through Cat 5e cable. Transmission up to 150m for 1920 x 1440, 60 Hz resolution. Compatible with VGA, SVGA, XGA, SXGA, (1920 x 1440, 60 Hz) multi-frequency monitors and DDC for the local monitor. Bandwidth of 350 MHz. Cable for stereo audio sound card output, 3.5 mm stereo jack. Gain control to compensate losses due to distance.
POWER SUPPLY	5 V DC, 2 A with adapters included
DIMENSIONS	Transmitter and receiver: 93 x 22 x 82 mm depth
WEIGHT	0.3 kg (without adapters)
ACCESSORIES	Male VGA and 3.5 mm stereo plug to male VGA cable

HDMI. SWITCHERS

HDMI switchers.

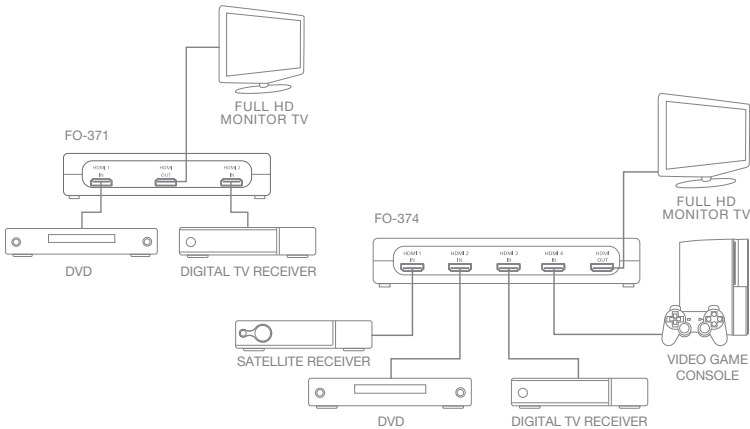
- HDMI
- FULL HD 1080p
- 3D



FO-371



FO-374

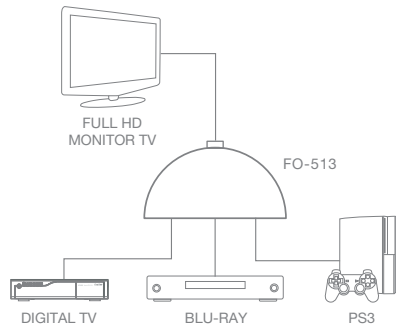
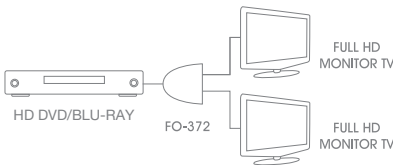
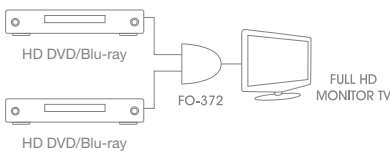


FO-371

FO-374

CHARACTERISTICS	Digital A/V HDMI switcher. Compatible with Full HD 1080p, 3D	Digital A/V HDMI switcher. Compatible with Full HD 1080p, 3D.
INPUTS	2 female HDMI	4 female HDMI
OUTPUTS	1 female HDMI	1 female HDMI
CONTROLS	Buttons for manual selection	Buttons for manual selection
DIMENSIONS	100 x 30 x 110 mm depth	150 x 30 x 135 mm depth
WEIGHT	0.2 kg	0.3 kg

- HDMI
- FULL HD 1080p
- 3D



FO-372

FO-373

FO-513 **N!**

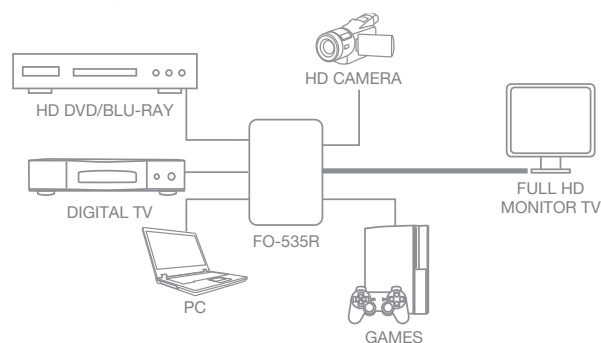
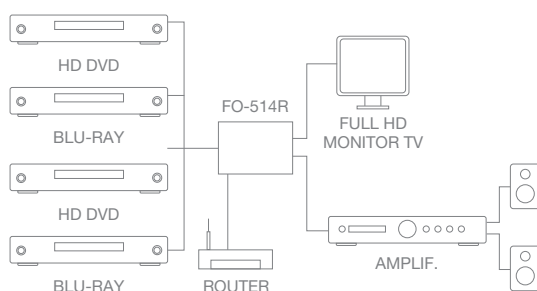
CHARACTERISTICS	Bidirectional digital A/V HDMI switcher. Compatible with Full HD 1080p and 3D. It can operate as a 2 input signal switcher to 1 screen or 1 input signal switcher to one of the two screens connected to the output. It accepts LPCM, DTS Digital, Dolby Digital. Bandwidth 250 MHz	Digital A/V bidirectional HDMI switcher. Compatible with Full HD 1080p, 3D. Can be used as a switcher with 3 input signals to 1 screen or a selector with 1 input signal to one of the 3 screens connected to the output. It supports LPCM, DTS Digital, Dolby Digital. Bandwidth 250 MHz.	HDMI switcher 3 x 1. Compatible with Full HD 1080p, 3D. Intelligent automatic selection function on detecting an input signal. Manual input selection. Bandwidth 2'5 Gbps/250 MHz.
INPUTS/OUTPUTS	2 gold-plated female HDMI connectors 1 gold-plated male HDMI connector with 50m cable	3 gold-plated female HDMI connectors 1 gold-plated male HDMI connector with 50 m cable	3 HDMI hembra conectores dorados 1 gold-plated male HDMI connector with 50 cm cable
CONTROLS	Input/output selection button	Buttons for input/output selection	Buttons for input selection
INDICATORS	LED indicator for the selected input/output	LED 'selected input/output' indicator	LED 'selected input' indicator
DIMENSIONS	60 x 17 x 55 mm depth	81 x 14 x 75 mm depth	81 x 16 x 80 mm depth
WEIGHT	0.1 kg	0.1 kg	0.1 kg

HDMI switchers with remote control.

HDMI

FULL HD
1080p

3D



FO-514R

FO-535R **N!**

CHARACTERISTICS	Digital A/V HDMI switcher with remote control. Compatible with Full HD 1080p, 3D, HEAC (ethernet and audio return channel). On/off selection for the audio return channel (ARC). HDMI audio extractor. Accepts LPCM, DTS Digital and Dolby Digital. It allows simultaneous SPDIF audio and stereo output. Stereo submix or 5.1 output selection. Bandwidth 225 MHz.	5 x 1 HDMI switcher. Compatible with Full HD 1080p, 3D Intelligent automatic selection function on detecting an input signal. Remote control. Bandwidth 2.5 Gbps/250 MHz
INPUTS	4 gold-plated female HDMI connectors Ethernet, RJ-45	5 gold-plated female HDMI connectors
OUTPUTS	1 gold-plated female HDMI connector Optical SPDIF, Toslink Coaxial SPDIF, RCA Stereo audio, 3.5 mm stereo jack	1 gold-plated female HDMI connector
CONTROLS	Input selection button ARC activation button Audio output selection button (remote control)	Input selection button
INDICATORS	LED power indicator, selected input, ARC and audio output	LED selected input indicator
POWER SUPPLY	5 V DC, 2 A with adapter included	5 V DC, 1 A with adapter included
DIMENSIONS	154 x 23 x 70 mm depth	80 x 18 x 58 mm depth
WEIGHT	0.3 kg	0.1 kg
ACCESSORIES	-	Remote control extension lead

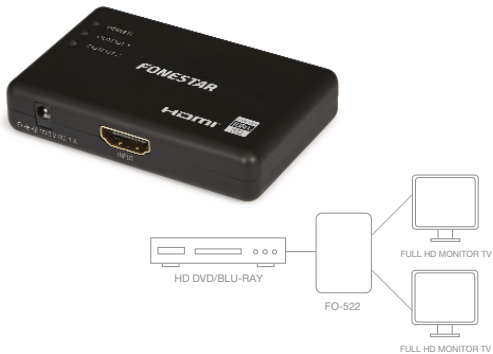
HDMI. SPLITTERS

HDMI Splitters.

HDMI

FULL HD
1080p

3D



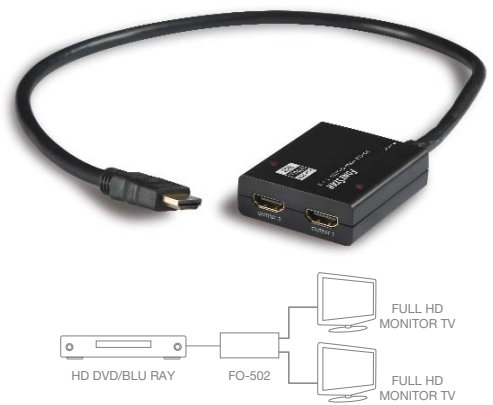
FO-522 **NI**

CHARACTERISTICS	1 x 2 HDMI Splitter. Compatible with Full HD 1080p, 3D. Bandwidth 2'25 Gbps/225 MHz.
INPUTS	1 gold-plated female HDMI connector
OUTPUTS	2 gold-plated female HDMI connectors
INDICATORS	LED power indicator LED output indicator
POWER SUPPLY	5 V DC, 1 A maximum with adapter included
DIMENSIONS	76 x 15 x 49 mm depth
WEIGHT	0.1 kg

HDMI

4k x 2k

FULL 3D



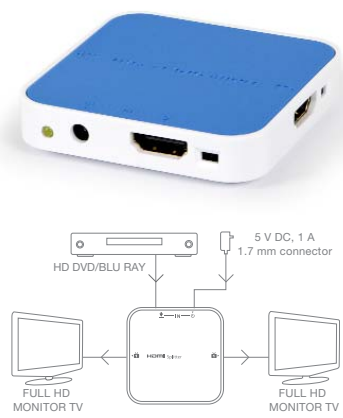
FO-502

CHARACTERISTICS	Digital A/V HDMI amplifier splitter. Compatible with 4k x 2k, Full HD 1080p, Full 3D. HDMI amplifier bandwidth, 3.4 Gbps/340 MHz.
INPUTS	1 gold-plated male HDMI connector with 50 cm cable
OUTPUTS	2 gold-plated female HDMI connectors
POWER SUPPLY	5 V DC, 2 A with adapter included
DIMENSIONS	63 x 18 x 54 mm depth
WEIGHT	0.1 kg

HDMI

FULL HD
1080p

3D



FO-602

CHARACTERISTICS	Digital A/V HDMI splitter/amplifier. Compatible with Full HD 1080p, 3D. HDMI amplifier bandwidth 225 MHz. Compact size. Low consumption, in normal conditions a mains adapter is not necessary. Extension up to 30 m. Selectors to adjust the signal depending on the distance.
INPUTS	1 gold-plated female HDMI connector
OUTPUTS	2 gold-plated female HDMI connectors
INDICATORS	LED power indicator
POWER SUPPLY	Through the HDMI input or 5 V DC, 1 A maximum. Adapter not included
DIMENSIONS	64 x 14 x 64 mm depth
WEIGHT	0.1 kg

HDMI

4k x 2k

FULL 3D

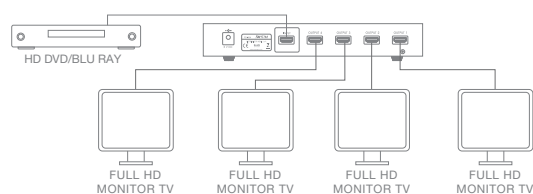


FO-554 **NI**

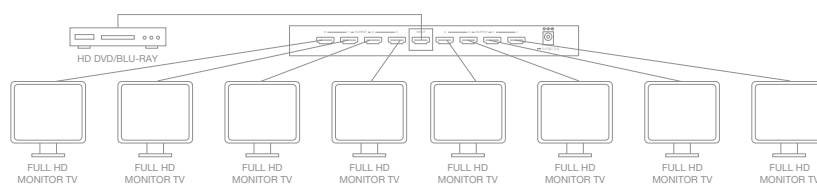
CHARACTERISTICS	1 x 4 HDMI splitter amplifier. Compatible with 4k x 2k, Full HD 1080p, Full 3D. Bandwidth, 3.4 Gbps/340 MHz.
INPUTS	1 gold-plated female HDMI connector
OUTPUTS	4 gold-plated female HDMI connectors
CONTROLS	Splitter reset button
INDICATORS	LED power indicator LED output indicators
POWER SUPPLY	5 V DC, 2 A with adapter included
DIMENSIONS	63 x 18 x 54 mm depth
WEIGHT	0.1 kg

HDMI
**FULL HD
1080p**
3D


FO-384


HDMI
**FULL HD
1080p**
3D


FO-528



FO-384

FO-528 **NI**

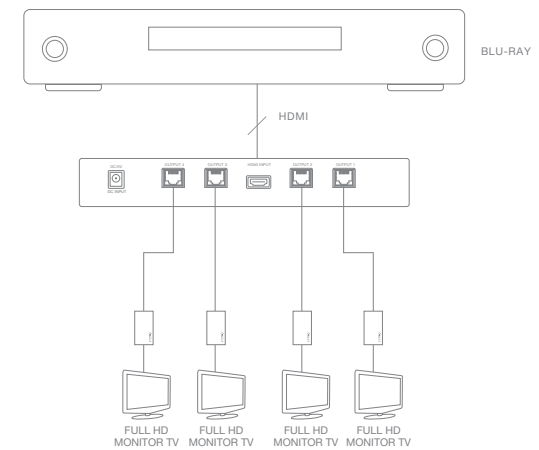
CHARACTERISTICS	Digital A/V HDMI Splitter. Compatible with Full HD 1080p, 3D and HDCP 1.0, 1.1.	1 x 8 HDMI Splitter. Compatible with Full HD 1080p, 3D Bandwidth 2.25 Gbps/225 MHz.
INPUTS	1 gold-plated female HDMI connector	1 gold-plated female HDMI connector
OUTPUTS	4 gold-plated female HDMI connectors	8 gold-plated female HDMI connectors
INDICATORS	LED power indicator LED output indicator	LED power indicator LED output indicator
POWER SUPPLY	5 V DC, 15 W maximum, with adapter included	5 V DC, 3 A maximum, with adapter included
DIMENSIONS	270 x 50 x 185 mm depth	258 x 33 x 111 mm depth
WEIGHT	1.4 kg	0.7 kg

HDMI. SPLITTERS

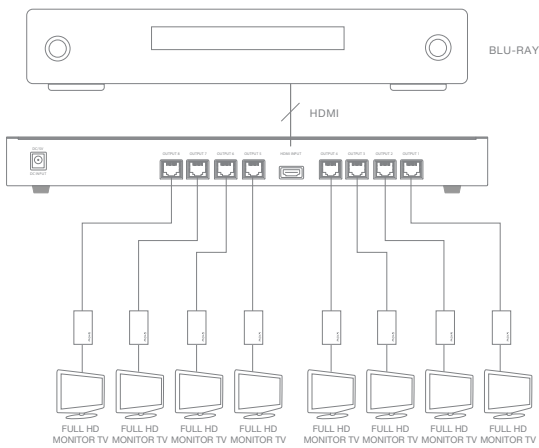
HDMI splitters/extensions using Cat 5e/6 cable.

These HDMI splitters increase the transmission distance of the HDMI signal up to 50 m for a resolution of 1080p, using Cat 5e/6 cable that reduces cost and makes it easier for the cables to pass through tubes and walls. Each splitter output operates with a receiver.

HDMI



HDMI



	FO-434	FO-438
CHARACTERISTICS	Digital A/V HDMI splitter/extension using category 5e/6 cable. Up to 50m transmission distance for 1080p resolution with Cat 6 cable. In accordance with IEEE-568B regulations. Compatible with HDMI 1080P. HDMI amplifier bandwidth 1.65Gbps/165MHz per channel (6.75 Gbps all channels).	Digital A/V HDMI Splitter/extension using category 5e/6 cable. Up to 50m transmission distance for 1080p resolution with category 6 cable. In accordance with IEEE-568B regulations. Compatible with HDMI 1080P. HDMI amplifier bandwidth 1.65Gbps/165MHz per channel (6.75 Gbps all channels).
INPUTS	1 gold-plated female HDMI connector	1 gold-plated female HDMI connector
OUTPUTS	4 RJ-45 HDMI extensions using category 5e/6 cable	8 RJ-45 HDMI extensions using category 5e/6 cable
RECEIVERS	4 receivers with HDMI output	8 receivers with HDMI output
POWER SUPPLY	Splitter: 5 V DC, 3000 mA with adapter included Receivers: 5 V DC, 500 mA with adapters included	Splitter: 5 V DC, 4 A with adapter included Receivers: 5 V DC, 2 A with adapters included
DIMENSIONS	Splitter: 270 x 50 x 185 mm depth Receiver: 65 x 26 x 100 mm depth	Splitter: 440 x 55 x 205 mm depth Receiver: 65 x 26 x 100 mm depth
WEIGHT	Splitter: 1.3 kg Receiver: 0.4 kg each one	Splitter: 2.2 kg Receiver: 0.4 kg each one
ACCESSORIES	Mount for the receivers	Mount for the receivers

HDMI. MATRICES

HDMI matrices with remote control.

FONESTAR

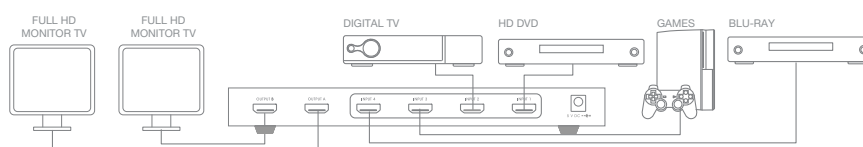
HDMI

FULL HD
1080p

3D



FO-380



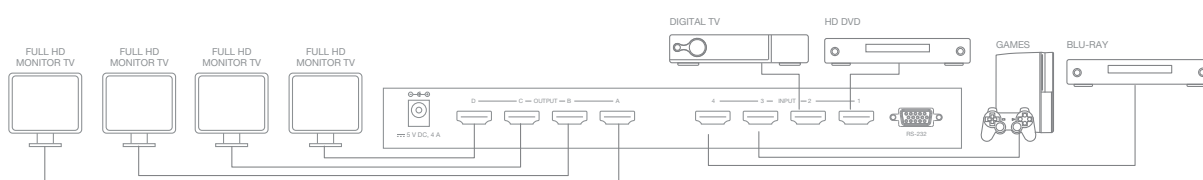
HDMI

FULL HD
1080p

3D



FO-530



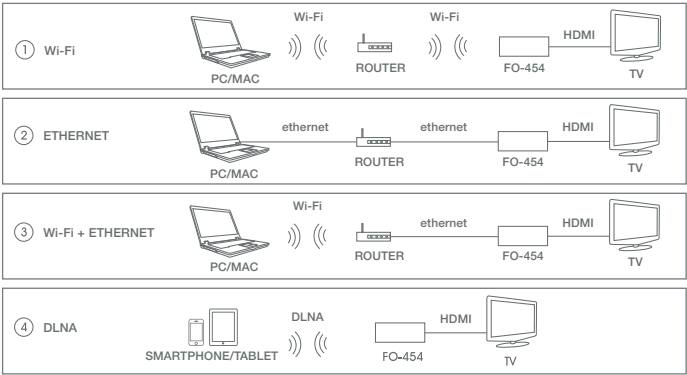
FO-380

FO-530 **N!**

CHARACTERISTICS	Digital A/V HDMI matrix. Compatible with 4k x 2k, Full HD 1080p, Full 3D. HDMI amplifier bandwidth 3.4 Gbps/340 MHz. Remote control.	HDMI matrix 4 x 4. Compatible with Full HD 1080p, 3D. Remote control. Communications protocol through the RS-232 port. Bandwidth 2.25 Gbps/225 MHz.
INPUTS	4 gold-plated female HDMI connectors	4 gold-plated female HDMI connectors 1 RS-232, D9
OUTPUTS	2 gold-plated female HDMI connectors	4 gold-plated female HDMI connectors
CONTROLS	Input selection buttons for each output	Input selection buttons for each output
INDICATORS	LED power indicator Input selection indicator for each output	LED indicators for selected input in each output
POWER SUPPLY	5 V DC, 800 mA, with adapter included	5 V DC, 4 A, with adapter included
DIMENSIONS	260 x 35 x 110 mm depth	280 x 25 x 120 mm depth
WEIGHT	0.7 kg (without adapter)	0.7 kg

HDMI. CONVERTERS

Wi-Fi, DLNA and TCP/IP Ethernet HDMI adapter.



FO-454

CHARACTERISTICS	Wi-Fi, DLNA and TCP/IP Ethernet HDMI adapter. Plays computer content through Wi-Fi or TCP/IP Ethernet. Transmits multimedia content from smartphones or portable electronic devices with DLNA. HDMI output for connecting to screens and projectors. Maximum output resolution 1080p. For creating a wireless network from a router without Wi-Fi. Compatible with Windows and Mac-OS.
INPUTS	1 RJ-45 1 female USB A
OUTPUTS	1 gold-plated female HDMI connector
POWER SUPPLY	5 V DC, 2 A with adapter included
DIMENSIONS	129 x 26 x 85 mm depth
WEIGHT	0.1 kg

HDMI to VGA converter. Compact size suitable for laptop computers. Power supply through USB cable.

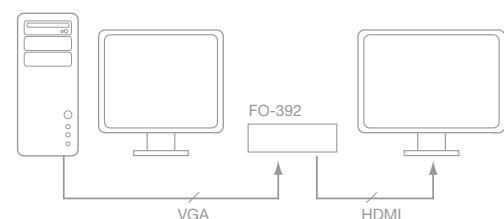


FO-410

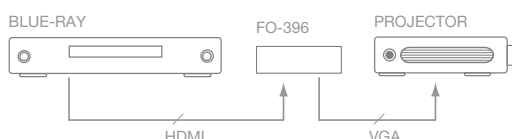
CHARACTERISTICS	HDMI to VGA converter. Compact size suitable for laptop computers. For connecting a player to a screen or projector with VGA input. Converts the HDMI signal into a VGA and stereo audio signal. Maximum resolution 1080p (1920 x 1080). HDMI amplifier bandwidth 1.65 Gbps/165 MHz per channel (6.75 Gbps all channels).
INPUTS	1 gold-plated male HDMI connector
OUTPUTS	1 VGA 1 Vpp (DDC 5 Vpp TTL) 1 auxiliary, 2 x RCA
ACCEPTED FORMATS	480i 50/60 Hz, 576i 50/60 Hz, 480p 50/60 Hz, 576p 50/60 Hz, 720p 50/60 Hz, 1080i 50/60 Hz, 1080p 50/60 Hz
POWER SUPPLY	Through USB cable, 0.75 W
DIMENSIONS	90 cm
WEIGHT	0.1 kg

HDMI to VGA, VGA to HDMI and scart to HDMI converters.

HDMI



FO-392



FO-396



FO-392

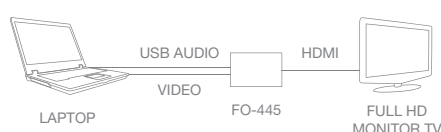
CHARACTERISTICS	VGA to HDMI converter. Allows a PC to be connected to a screen with HDMI input. Converts a VGA signal and a stereo audio input into an HDMI signal. Maximum resolution: 1280 x 1024. Video amplifier bandwidth 1.65 Gbps/ 165 per channel (6.75 Gbps all channels).	HDMI to VGA converter. Allows a player to be connected to a screen or a projector with a VGA input. Converts the HDMI signal into a VGA and stereo audio signal. Maximum resolution: 1080p (1920 x 1080). HDMI amplifier bandwidth 1.65Gbps/ 165 MHz per channel (6.75 Gbps all channels).
INPUTS	1 VGA 0.5-1 Vpp (DDC 5 Vpp TTL) 1 auxiliary, 2 x RCA	1 gold-plated female HDMI connector
OUTPUTS	1 gold-plated female HDMI connector	1 VGA 1 Vpp (DDC 5 Vpp TTL) 1 auxiliary, 2 x RCA
INDICATORS	LED power and compatible mode indicator	LED power indicator
ACCEPTED FORMATS	800 x 600 60/75 Hz, 1024 x 768 60/75 Hz, 1280 x 720 60/75 Hz, 1280 x 768 60/75 Hz, 1280 x 960 60 Hz, 1280 x 1024 60/75 Hz	480i 50/60 Hz, 576i 50/60 Hz, 480p 50/60 Hz, 576p 50/60 Hz, 720p 50/60 Hz, 1080i 50/60 Hz, 1080p 50/60 Hz
POWER SUPPLY	230 V AC/5 V DC, 5 W maximum, adapter included	5 V DC, 5 W maximum, adapter included
DIMENSIONS	88 x 25.5 x 68 mm depth	88 x 25.5 x 68 mm depth
WEIGHT	0.2 kg	0.2 kg

VGA to HDMI converter.

HDMI

FO-445

CHARACTERISTICS	VGA to HDMI converter. Compact size suitable for laptop computers. It allows the connection of a PC to a screen with HDMI input. It converts a VGA signal and a USB stereo audio signal into an HDMI signal. Power supply and audio through USB. Maximum resolution 1280 x 1024 (SXGA). HDMI amplifier bandwidth 1.65 Gbps/165 MHz per channel.
INPUTS	Video: 1 VGA 0.5-1 Vpp (DDC 5 Vpp TTL) with 30 cm cable Audio: 1 male USB A with 1 m cable
OUTPUTS	1 gold-plated female HDMI connector
INDICATORS	LED power indicator
ACCEPTED FORMATS	640 x 480 60/75Hz, 800 x 600 60/75 Hz, 1024 x 768 60/75 Hz, 1280 x 720 60/75 Hz, 1280 x 768 60/75 Hz, 1280 x 960 60/75 Hz, 1280 x 1024 60/75 Hz
POWER SUPPLY	Through USB cable
DIMENSIONS	55 x 12 x 80 mm depth
WEIGHT	0.1 kg

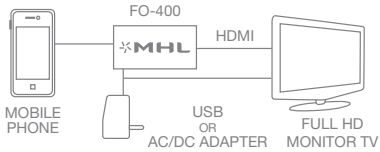


HDMI. CONVERTERS

MHL micro USB to HDMI adapter for mobile telephones and portable electronic devices. RCP allows you to control the terminal functions from the TV remote control.

HDMI

FULL HD 1080p



FO-400

CHARACTERISTICS	MHL micro USB to HDMI adapter. MHL 2.0. For transferring audio and video digital signals in HD quality. It accepts a resolution of up to 1080p. It is perfect for connecting smartphones or portable electronic devices with MHL to televisions, projectors, screens with HDMI input. RCP (remote control protocol) allows you to control the terminal from the TV remote control. For loading and supplying the telephone or device through the female micro USB B port with USB cable. Transmission bandwidth of 25 to 75 MHz.
INPUTS	1 MHL male 1 female micro USB B for loading and power supply
OUTPUTS	1 gold-plated female HDMI connector
POWER SUPPLY	5 V DC through the micro USB connector using the mains adapter or the TV USB port, etc.
DIMENSIONS	26 x 11 x 185 mm length

Micro 5-pin USB to micro 11-pin USB adapter. For MHL micro USB to HDMI adapters, e.g. mod. FO-400. Specially for mobile telephones and new generation portable electronic devices [Samsung galaxy S3, Samsung Galaxy Note 2, etc].



7964

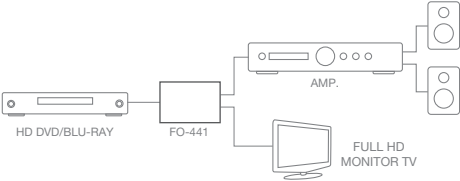
CHARACTERISTICS	Micro 5-pin USB to micro 11-pin USB adapter. Compatible with the FO-400 model. Specially for mobile telephones and new generation portable electronic devices (Samsung galaxy S3, Samsung Galaxy Note 2, etc) HD quality digital audio and video signal transfer. Supports a resolution of up to 1080p.
INPUTS	1 female micro 5-pin USB
OUTPUTS	1 male micro 11-pin USB
DIMENSIONS	8 x 13 x 31 mm depth

HDMI audio extractor.

HDMI

FULL HD 1080p

3D



FO-441

CHARACTERISTICS	HDMI audio extractor. Compatible with Full HD 1080p, Full 3D. It accepts LPCM, DTS Digital and Dolby Digital. It allows simultaneous audio SPDIF and stereo output. Audio output selection: Stereo submix or 5.1. Bandwidth 225 MHz.
INPUT	1 gold-plated female HDMI connector
OUTPUTS	1 gold-plated female HDMI connector Optical SPDIF, Toslink Coaxial SPDIF, RCA Stereo audio, 3.5 mm stereo jack
CONTROLS	Selection button for the type of audio output
INDICATORS	LED power/HDMI output indicator LED audio output indicator
POWER SUPPLY	5V DC, 2A with adapter included
DIMENSIONS	70 x 20 x 60 mm depth
WEIGHT	0.1 kg
ACCESSORIES	Assembly mounts

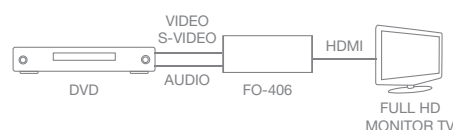
Composite video or S-video and stereo audio to HDMI converter.

HDMI



FO-406

CHARACTERISTICS	Composite video or S-video and stereo audio to HDMI converter. For connecting devices with composite video or S-video output and stereo audio to a screen with HDMI input. HDMI amplifier bandwidth of 1.65 Gbps/165 MHz per channel. Maximum HDMI output signal resolution: 720p. Video input type selection: S-Video or composite video
INPUTS	1 composite video, RCA 1 S-Video, mini DIN 4 1 stereo audio, 2 x RCA
OUTPUTS	1 gold-plated female HDMI connector
CONTROLS	Video input selection button
INDICATORS	LED power indicator LED indicators for video input format
POWER SUPPLY	5 V DC, 2 A with adapter included
DIMENSIONS	154 x 25 x 71 mm depth
WEIGHT	0.3 kg



HDMI to composite video and stereo audio converter.

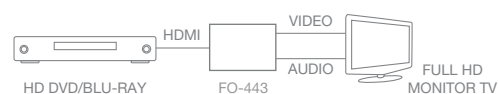
HDMI

FULL HD
1080p



FO-443

CHARACTERISTICS	HDMI to composite video and stereo audio converter. It allows the connection of a player to a screen or projector with composite video and stereo audio input. Maximum resolution 1080p. Video output format selection: NTSC or PAL.
INPUTS	1 gold-plated female HDMI connector
OUTPUTS	1 composite video, RCA 1 stereo audio, 2 x RCA
CONTROLS	Video output format selector
INDICATORS	LED power indicator LED indicator for video output format
ACCEPTED FORMATS	480p/576p/720p/1080i/1080p
POWER SUPPLY	5 V DC, 2 A with adapter included
DIMENSIONS	100 x 24 x 102 mm depth
WEIGHT	0.3 kg
ACCESSORIES	Assembly mounts



HDMI. EXTENSIONS

Digital A/V HDMI extension through ethernet TCP/IP. It increases the transmission distance of HDMI signals up to 100 m for a resolution of 1080p, through a local ethernet network with a router or directly using Cat 5e/6 cable.

HDMI

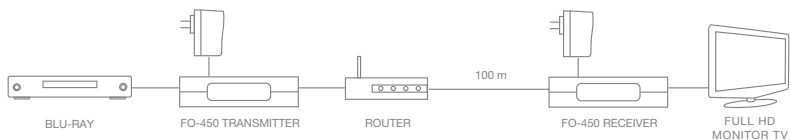
FULL HD
1080p



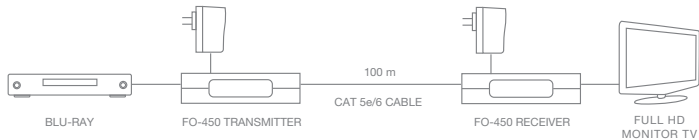
FO-450

CHARACTERISTICS	Digital A/V HDMI extension through ethernet TCP/IP. Transmission distance up to 100 m for a resolution of 1080p. Connection through ethernet or direct connection. In accordance with IEEE-568B regulations. HDMI amplifier bandwidth of 1.65 Gbps/165 MHz.
TRANSMITTER	Input: 1 female HDMI Output: 1 RJ-45 HDMI extension through Cat 5e/6 cable
RECEIVER	Input: 1 RJ-45 HDMI extension through Cat 5e/6 cable Output: 1 female HDMI
POWER SUPPLY	Transmitter and receiver: 5 V DC, 2A with adapter included
DIMENSIONS	Transmitter and receiver: 103 x 25 x 84 mm depth
WEIGHT	2 x 0.2 kg

ETHERNET CONNECTION



DIRECT CONNECTIONS



Digital A/V HDMI receiver through TCP/IP Ethernet.
For increasing the FO-450 model or for replacements.

HDMI

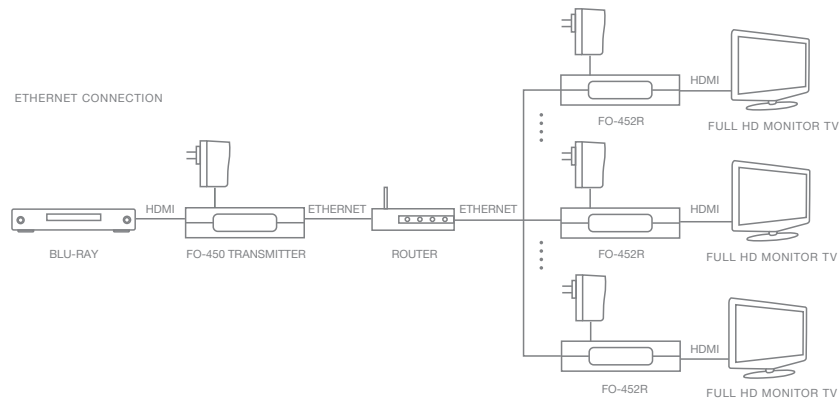
FULL HD
1080p



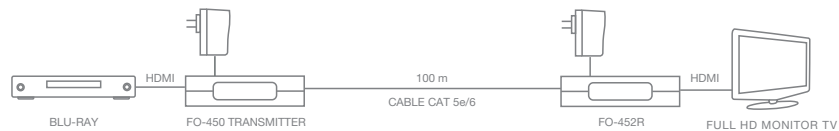
FO-452R

CHARACTERISTICS	Digital A/V HDMI receiver through TCP/IP Ethernet. For increasing the FO-450 or for replacements. As many receivers as you wish can be used through the TCP/IP Ethernet connection.
INPUTS	1 RJ-45 HDMI extension lead using Cat 5e/6 cable
OUTPUTS	1 female HDMI
POWER SUPPLY	5 V DC, 0.5 A with adapter included
DIMENSIONS	103 x 25 x 84 mm depth
WEIGHT	0.2 kg

ETHERNET CONNECTION



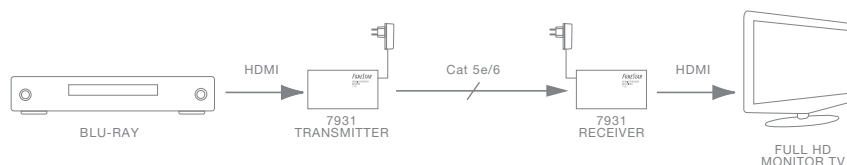
DIRECT CONNECTIONS



Digital A/V HDMI extension through Cat 5e/6 cable. It increases the transmission distance for HDMI signals up to 50 m for a resolution of 1080p, through Cat 5e o 6 cable reducing the cost and making it easier to pass the cable through tubes and walls.

HDMI
**FULL HD
1080p**
7931

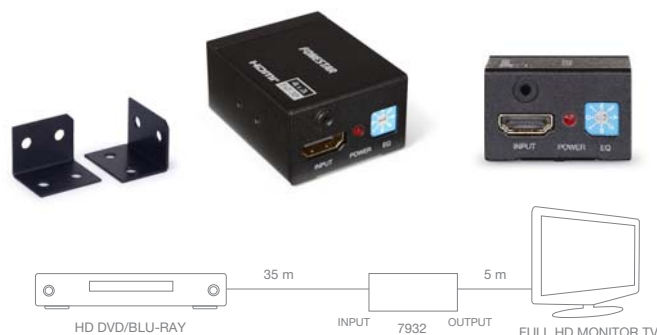
CHARACTERISTICS	Digital A/V HDMI extension through Cat 5e/6 cable. Transmission distance of up to 50 m for a resolution of 1080p with Cat 6 cable. Automatic adjustment depending on the feedback, equalization and amplification. In accordance with IEEE-568B regulations. Compatible with HDMI 1080p. HDMI amplifier bandwidth 1.65 Gbps/165 MHz. Power through external adapters of 5 V DC, 2 A maximum.
POWER SUPPLY	Transmitter: 5 V DC, 2 A with adapter included Receiver: 5 V DC, 2 A with adapter included
DIMENSIONS	Transmitter and receiver: 65 x 26 x 100 mm depth
WEIGHT	2 x 0.3 kg
ACCESSORIES	Assembly mounts



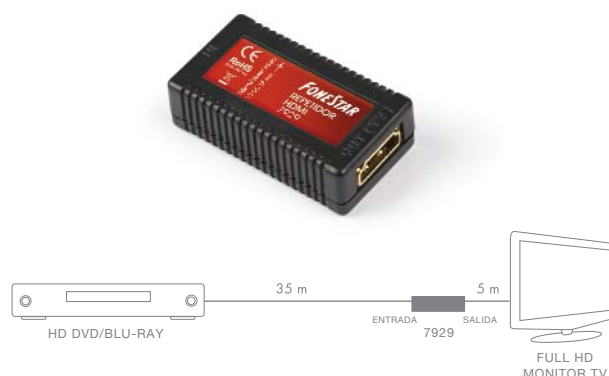
Digital A/V HDMI repeaters.

HDMI
**4k x 2k
FULL 3D**
7932

CHARACTERISTICS	For amplifying and regenerating the HDMI signal. Compatible with 4k x 2k, Full HD 1080p, 3D and HDCP. Amplifier bandwidth of HDMI 3.4 Gbps/340 MHz. Allowing the use of a longer cable: up to 35 m. 8 equalization levels.
INPUT	Female HDMI
OUTPUT	Female HDMI
POWER SUPPLY	Through HDMI cable or external 5 V DC, 2A adapter (included)
DIMENSIONS	50 x 25 x 40 mm depth
WEIGHT	0.1 kg
ACCESSORIES	Mounts for assembly


HDMI
7929

CHARACTERISTICS	To amplify and regenerate the HDMI signal. Compatible with 1080p HDMI (single link) and HDCP 1.0, 1.1. HDMI amplifier bandwidth 1.65 Gbps/165 MHz. Power supply through HDMI cable or external 5 V DC adapter, 1 A maximum. Longer cable can be used: Up to 35 m. By using several repeaters in a chain, the distance between the connected elements can be increased.
INPUT	Female HDMI
OUTPUT	Female HDMI



PROJECTORS. HALOGEN LAMP LCD PROJECTOR

LCD projector, 5200 lumens maximum, 2600 lumens ANSI, with long-lasting halogen lamp. For screens from 30" to 300". XGA resolution [1024 x 768]. Compatible with 480p, 576i, 480i, 720p,1080i and 1080p.

HALOGEN

5200 lumens
(max.)

HDMI

30"-300"

1024 x 768



PR-5200 **N!**

CHARACTERISTICS	LCD projector with halogen lamp.
RESOLUTION	XGA (1024 x 768) real Compatible with 480p, 576i, 480i, 720p,1080i and 1080p.
BRIGHTNESS	5200 lumens maximum, 2600 ANSI lumens
CONTRAST	3 000:1
LAMP	215 W halogen, lasting 4000 hours in standard mode, 6000 hours in eco mode
TECHNOLOGY	3 LCD x 0.63"
IMAGE SIZE	30" to 300" (76 to 762 cm)
PROJECTION ASPECT RATIO	100" @ 3.00 m (4:3) 100" @ 3.26 m (16:9)
PROJECTION DISTANCE	0.8 to 10.8 m (30" to 300")
SCREEN FORMAT	16:9, 4:3
FOCUSING	Manual
ZOOM	Optical: 1.2x manual F: 2.1 - 2.3, f: 18.82 - 22.60 mm
TRAPEZOIDAL CORRECTION	± 40°, electronic
NOISE LEVEL	36 dB in standard mode, 32 dB in eco mode
INSTALLATION	Front, back, desktop and ceiling
INPUTS	Audio/video: HDMI Video: 2 x VGA, video through components 3 x RCA, composite video RCA and S-Video, mini DIN-4 Audio: 2 x RCA, 3.5 mm jack (VGA mode) Data: RS-232 and Ethernet for remote control
OUTPUTS	Video: VGA Audio: 3.5 mm jack, speaker incorporated
POWER SUPPLY	100-240 V AC, 280 W
COLOUR	White
DIMENSIONS	340 x 95 x 240 mm depth
WEIGHT	3.1 kg
ACCESSORIES	VGA cable Remote control Batteries for remote control

PROJECTORS. LED PROJECTOR

FONESTAR

LED projector, 3500 lumens maximum, 1500 ANSI lumens, with longer lasting LED lamp [20 000 hours, practically the whole of the projector life] and lower consumption than conventional lamps. For 63" to 200" screens. WXGA resolution [1280 x 768]. Compatible with 480p, 575i, 480i, 720p, 1080i and 1080p. USB multimedia player with audio output.

LED

USB

3500 lumens
(max.)

HDMI

63"-200"

1280 x 768



PR-3500

CHARACTERISTICS	LCD projector with LED lamp.
RESOLUTION	WXGA (1280 x 768) real Compatible with 480p, 575i, 480i, 720p, 1080i and 1080p
BRIGHTNESS	3500 lumens maximum, 1500 ANSI lumens
CONTRAST	4000:1
LAMP	LED 108 W, life of 20 000 hours in standard mode
TECHNOLOGY	LCD 5"8"
IMAGE SIZE	63" to 200" (160 to 508 cm)
PROJECTION ASPECT RATIO	100" @ 3.6 m (1.75:1) 16:9 format 100" @ 4.5 m (2.34:1) 4:3 format
SCREEN FORMAT	16:9, 4:3
FOCUSING	Manual
TRAPEZOIDAL CORRECTION	±15°, manual
NOISE LEVEL	20 dB
INSTALLATION	Front, desktop, back and ceiling
PLAYER	USB multimedia player
INPUTS	Audio/video: 2 x HDMI Video: VGA, RCA composite video and video through components, 3 x RCA
OUTPUTS	Audio: 3.5 mm stereo jack, speaker incorporated
POWER SUPPLY	230 V AC, 130 W
COLOUR	White
DIMENSIONS	325 x 112 x 273 mm depth
WEIGHT	3.8 kg
ACCESSORIES	HDMI cable Remote control Batteries for the remote control

PROJECTORS. LED PROJECTOR

LCD projector, 1500 lumens maximum, 400 lumens ANSI, with long-lasting LED lamp [50 000 hours]. For screens from 60" to 120". SVGA resolution [800 x 600] supports 1080p. USB multimedia player with audio output.

LED

1500 lumens
(max.)

HDMI

 60"-120"

800 x 600



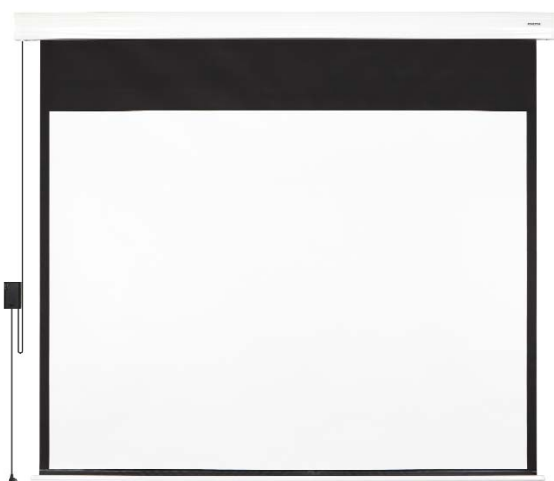
PR-1501

CHARACTERISTICS	LCD projector with LED lamp.
RESOLUTION	SGA (800 x 600) real Supports 1080p
BRIGHTNESS	1500 lumens maximum, 400 lumens ANSI
CONTRAST	800:1
LAMP	LED 70 W, life of 50 000 hours
SPEAKERS	LCD 4.6" PVI
IMAGE SIZE	60" to 120" (152 to 300 cm)
PROJECTION ASPECT RATIO	72" @ 2.65 m (1.66:1) format 16:9 72" @ 3.03 m (2.07:1) format 4:3
SCREEN FORMAT	16:9, 4:3
FOCUSING	Manual
TRAPEZOIDAL CORRECTION	±15°, manual
NOISE LEVEL	25 dB
INSTALLATION	Front, desktop, back and ceiling
PLAYER	USB multimedia player
INPUTS	Audio/video: HDMI Video: VGA, composite RCA video and video through components 3 x RCA
OUTPUTS	Audio: 2 x RCA, Incorporated speaker
POWER SUPPLY	115-230 V AC, 84 W, 50-60 Hz
COLOUR	Black
DIMENSIONS	280 x 110 x 205 mm depth
WEIGHT	2 kg
ACCESSORIES	HDMI cable Remote control Batteries for the remote control

PROJECTION SCREENS. LX SERIES

FONESTAR

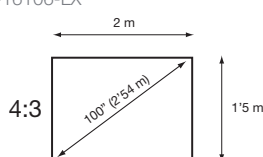
Electric projector screens with an excellent finish and image, for applications where the highest quality is needed, home cinema, public halls, etc.



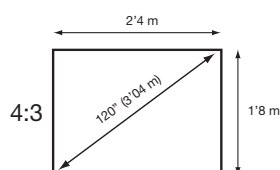
PPEL-43100-LX/PPEL-43120-LX



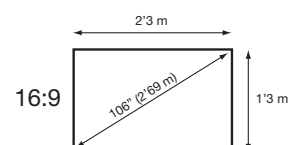
PPEL-16106-LX



PPEL-43100-LX



PPEL-43120-LX



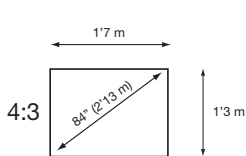
PPEL-16106-LX



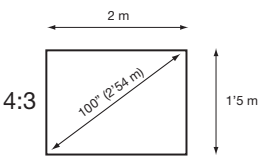
CHARACTERISTICS	Electric projector screen. Quick and silent tubular motor. Aluminium frame, elegant design. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings, installation mounts included.	Electric projector screen. Silent and quick tubular motor. Aluminium frame, elegant design. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls or ceilings, installation mounts included.	Electric projector screen. Quick and silent tubular motor. Aluminium frame, elegant design. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings, installation mounts included.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick
FORMAT	4:3 3 cm black borders 30 cm extra black top border	4:3 3 cm black borders 30 cm extra black top border	16:9 3 cm black borders 30 cm extra black top border
POWER SUPPLY	230 V AC, 30 W 2 m cable for wall receiver 1.3 m power cable	230 V AC, 30 W 2 m cable for wall receiver 1.3 m power cable	230 V AC, 30 W 2 m cable for wall receiver 1.3 m power supply cable
DIMENSIONS	Screen: 100" (2 x 1.5 m) Rolled up: 232 x 11 x 9 cm	Screen: 120" (2.4 x 1.8 m) Rolled up: 271 x 11 x 9 cm depth	Screen: 106" (2.3 x 1.3 m) Rolled up: 262 x 11 x 9 cm
WEIGHT	12 kg	15.6 kg	14 kg

PROJECTION SCREENS. BA SERIES

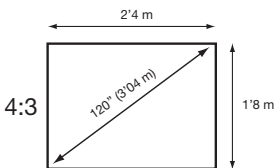
Manual projector screens with self-locking system, adjustable to any height, for different sized screens and easy to operate. Adaptable to wall or ceiling. Suitable for classrooms, conferences rooms, etc.



PPMA-43084-BA **N!**



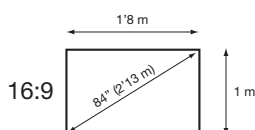
PPMA-43100-BA **N!**



PPMA-43120-BA **N!**

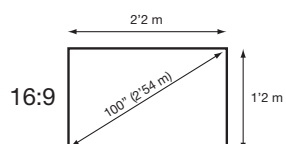
CHARACTERISTICS	Manual projector screen. Octagonal case. Self-locking system. Installation on walls or ceilings.	Manual projector screen. Octagonal case. Self-locking system. Installation on walls or ceilings.	Manual projector screen. Octagonal case. Self-locking system. Wall or ceiling installation.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	PVC reinforced with fibre 1.1 Gain Matt white Black reverse side Flame resistant material Thickness 0.4 mm
FORMAT	4:3 3 cm black borders Extra 30 cm black top border	4:3 3 cm black borders Extra 30 cm black top border	4:3 3 cm black borders 30 cm extra wide upper black border
DIMENSIONS	Screen: 84" (1.7 x 1.3 m) Rolled up: 185 x 11 x 8 cm depth	Screen: 100" (2 x 1.5 m) Rolled up: 219 x 11 x 8 cm depth	Screen: 120" (2.4 x 1.8 m) Rolled up: 260 x 11 x 8 cm depth
WEIGHT	6.5 kg	8.4 kg	10.4 kg

Manual projector screens with self-locking system, adjustable to any height, for different sized screens and easy to operate. Adaptable to wall or ceiling. Suitable for classrooms, conference rooms, etc.



PPMA-16084-BA

N!



PPMA-16100-BA

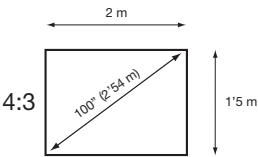
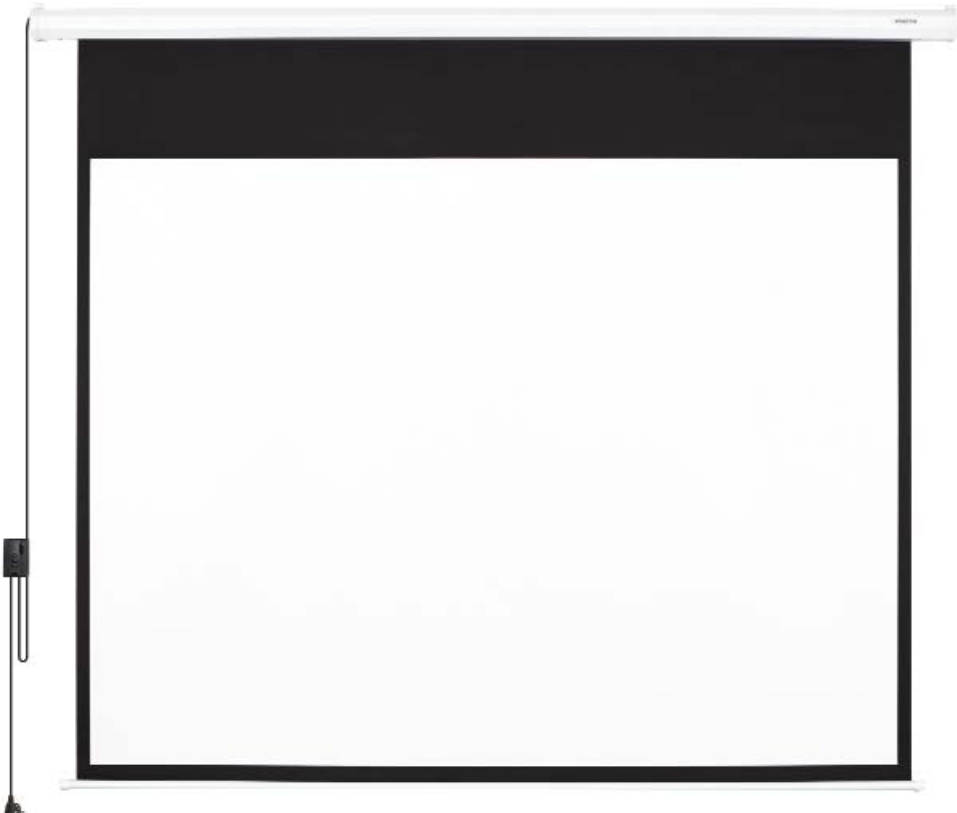
N!

CHARACTERISTICS	Manual projector screen. Octagonal case. Self-locking system. Installation on walls or ceilings.	Manual projector screen. Octagonal case. Self-locking system. Installation on walls or ceilings.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick
FORMAT	16:9 3 cm black borders Extra 30 cm black top border	16:9 3 cm black borders Extra 30 cm black top border
DIMENSIONS	Screen: 84" (1.8 x 1 m) Rolled up: 200 x 11 x 8 cm depth	Screen: 100" (2.2 x 1.2 m) Rolled up: 237 x 11 x 8 cm depth
WEIGHT	6.3 kg	8.8 kg

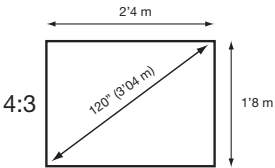
PROJECTION SCREENS. BA SERIES

Electric projector screens.

- Activation through control buttons or radio frequency remote control.
- Adjustable run for different sized screens.
- Adaptable to walls or ceilings.
- Suitable for classrooms, conference rooms, etc.

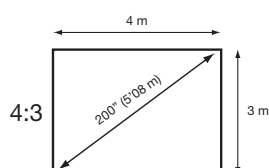
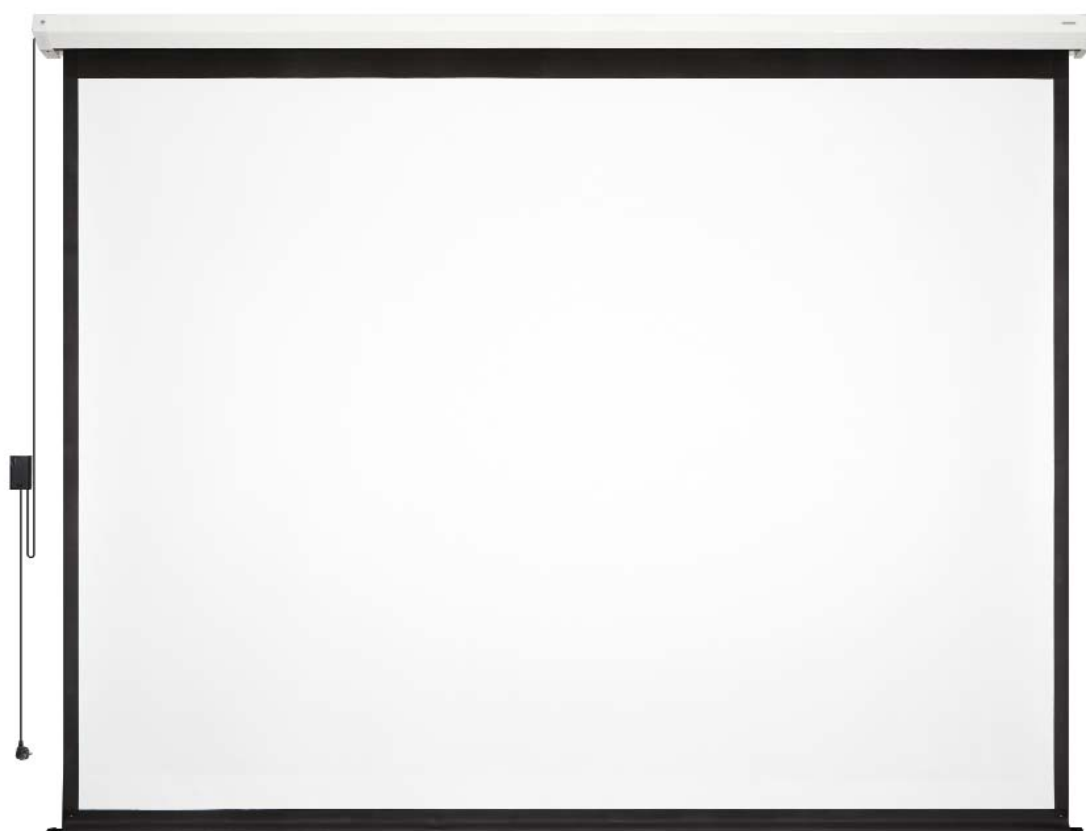


PPEL-43100-BA **N!**



PPEL-43120-BA **N!!**

CHARACTERISTICS	Electric projector screen. Synchronous motor. Octagonal case. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings.	Electric projector screen. Synchronous motor. Octagonal case. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick
FORMAT	4:3 3 cm black borders 30 cm extra black top border	4:3 3 cm black borders 30 cm extra black top border
POWER SUPPLY	230 V AC, 30 W 2 m cable for wall receiver 1.3 m power cable	230 V AC, 30 W 1.4 m cable for wall receiver 1.3 m power cable
DIMENSIONS	Screen: 100" (2 x 1.5 m) Rolled up: 232 x 11 x 8 cm depth	Screen: 120" (2.4 x 1.8 m) Rolled up: 271 x 11 x 8 cm depth
WEIGHT	8.6 kg	11 kg



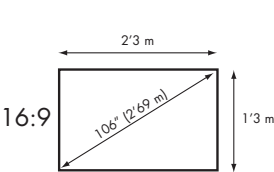
PPEL-43200-BA **N!**

CHARACTERISTICS	Electric projector screen. Silent and quick tubular motor. Hexagonal case. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.8 mm thick
FORMAT	4:3 6 cm black borders 20 cm extra black top border
POWER SUPPLY	230 V AC, 30 W 5 m cable for wall receiver 1.3 m power cable
DIMENSIONS	Screen: 200" (4 x 3 m) Rolled up: 4.32 x 0.17 x 0.13 m depth
WEIGHT	56 kg

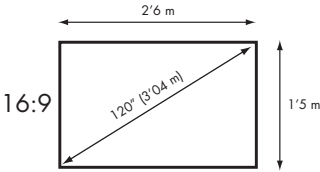
PROJECTION SCREENS. BA SERIE

Electric projector screens.

- Activation through control buttons or radio frequency remote control.
- Adjustable run for different sized screens.
- Adaptable to walls or ceilings.
- Suitable for classrooms, conference rooms, etc.



PPEL-16106-BA 



PPEL-16120-BA 

CHARACTERISTICS	Electric projector screen. Synchronous motor. Octagonal case. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings.	Electric projector screen. Synchronous motor. Octagonal case. Up, down and stop buttons. RF remote control. Adjustable run. Installation on walls and ceilings.
MATERIAL	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick	Reinforced PVC with fiber Gain 1.1 Matt white Black reverse Flame resistant material 0.4 mm thick
FORMAT	16:9 3 cm black borders 30 cm extra black top border	16:9 3 cm black borders 30 cm extra black top border
POWER SUPPLY	230 V AC, 30 W 1.4 m cable for wall receiver 1.3 m power supply cable	230 V AC, 30 W 1.3 m cable for wall receiver 1.4 m power supply cable
DIMENSIONS	Screen: 106" (2.3 x 1.3 m) Rolled up: 262 x 11 x 8 cm depth	Screen: 120" (2.6 x 1.5 m) Rolled up: 295 x 11 x 8 cm depth
WEIGHT	9.6 kg	12.3 kg

Projector screen with tripod.
Easy assembly with tripod locking system, very stable and adjustable height.
Lightweight and robust.
Perfect for classrooms, conference rooms, etc.



PPTR-43100-BA **N!**

CHARACTERISTICS	Projector screen with tripod. Tripod locking system. Adjustable height.
MATERIAL	Reinforced PVC with fiber 1.1 Gain Matt white Black reverse side Flame resistant material 0.4 mm thick
FORMAT	4:3 3 cm black borders Extra lower black border
DIMENSIONS	Screen: 100" (2 x 1.5 m) Rolled up: 216 m x 7 cm Ø Tripod (maximum height): 2.5 m
WEIGHT	9 kg