VELOX

SPYCLOPS
SURVEILLANCE SYSTEMS

HELIOS

18 GBPS
4K
HDR

DISPLAY
VELOX

ethereal

NEW PRODUCT GUIDE 2017

MeTra™
HOME THEATER GROUP

PREMIUM HOME THEATER PRODUCTS

V(e)²LOX ®

ACTIVE HDMI® + PASSIVE HDMI®

A

18 GBPS VERIFIED

4K HDR

DISPLAY
V(e)LOX HD

COLOR CODE SYSTEM

B

10.2 GBPS VERIFIED

18 GBPS VERIFIED

4K HDR

COLOR CODE SYSTEM

A VELOX ULTRA HIGH SPEED ACTIVE HDMI® CABLE

VELOX Active cables combine evolutionary design and engineering techniques to support the new generation of 4K/HDR video applications. VELOX Active cables deliver a verified 18Gbps HD signal for higher resolutions, frame rates and colors over HD digital interconnects thanks to the patented Titan Chip.

VELOX Active cables OPERATE WITH THE ENTIRE 18Gbps envelope. They incorporate an innovative new version of our symmetrical HDCP and EDID rise time accelerator for both the data and clock lines on the I2C bus (the Display Data Channel). This eliminates EDID errors and, because this repair is bidirectional, ensures that the HDCP handshaking occurs reliably.

EHV-HDT10	10M	**EHV-HDT20**	20M
EHV-HDT12	12M	**EHV-HDT25**	25M
EHV-HDT15	15M	**EHV-HDT30**	30M

DPL 4K
SEAL of APPROVAL
18G-DC
WWW.DPLLABS.COM

10-30 METERS, 18GBPS

B VELOX PASSIVE PREMIUM HDMI® CABLE

A newly designed HDMI transmission cable with advanced features in metallurgy, topology, dielectric, and shielding. This new microwave RF design allows for up to 4dB less insertion loss over long distances by establishing a near linear response performance increase specifically for HDMI's TMDS High Speed Signaling. No speed cap from integrated electronics as compared to active cables. Offers the highest bandwidth performance of any passive cable available.

18Gbps		**10.2Gbps**	
EHV-HDP1	1M	**EHV-HDP10**	10M
EHV-HDP2	2M	**EHV-HDP12**	12M
EHV-HDP3	3M	**EHV-HDP15**	15M
EHV-HDP4	4M	**EHV-HDP18**	18M
EHV-HDP5	5M	**EHV-HDP20**	20M
EHV-HDP6	6M	**EHV-HDP21**	21M
EHV-HDP8	8M	**EHV-HDP22**	22M

DPL 4K
SEAL of APPROVAL
18G-DC
WWW.DPLLABS.COM

1-8 METERS, 18Gbps

10-22 METERS, 18Gbps*
* with use of the HDM-GA1 (sold separately)

Metra HOME THEATER GROUP

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VERIFIED 18 GBPS

4K HDR

COLOR CODE SYSTEM

4K SOURCE

100 METER FIBER CABLE

VELOX COMPARATOR DEVICE

4K DISPLAY

USB POWERED

USB POWERED
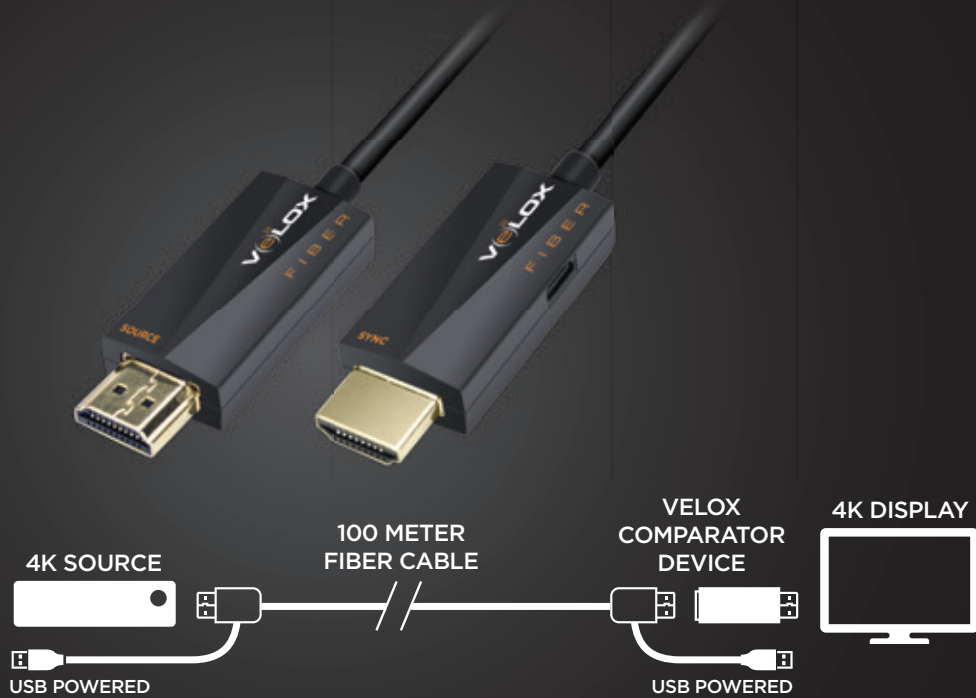
SUPPORTS HDMI 2.0a ELECTRONICS VELOX FIBER SYSTEM

The new Velox Fiber System answers the long distance 18 Gbps transmission question Loud and Clear. Unlike installing with the other Fiber products that are currently available, there is no need for the integrator to worry about "whether or not" the system is going to work. In order to assure the most reliable and robust Fiber system available to the integrator, Metra Home Theater has taken a close look at all of the Fiber products out there and we have determined what it takes to not only carry the full 18 Gbps of bandwidth, but to also ensure compatibility between the source and display.

How do we accomplish this?
Built into every Velox Fiber System are the same EDID repair tools that we have been using for over 10 years in our HDM-DAD & HDM-JR HDMI products. Research has proven that many accessory devices are still being built with older DDC components which in some cases will not communicate with other devices. To correct this, we've added technology to combat any voltage shift errors that may occur over the DDC (EDID) lane by automatically shifting the required voltage levels in a smooth and seamless fashion to adapt these older systems with the more state if the art DDC electronics.

- HDMI 2.0a compliant
- HDCP 2.2 compliant
- Bandwidth: 18Gbps
- Cable Type: Active Optical Fiber Cable
- CL Listed for in-wall installations
- Connector Type: HDMI Type Male/A
- Power: 3' Micro USB Cables
- Input Impedance: 100 ohms
- Supports resolutions up to: 4K@60,
  All Color Sub-sampling Supported (4:4:4, 4:2:2, 4:2:0),
  Deep Color, and HDR
- Lengths: Available in 25, 30, 50, 75 and 100 meters

EHV-HDAOC25	**25M**
EHV-HDAOC30	**30M**
EHV-HDAOC50	**50M**
EHV-HDAOC75	**75M**
EHV-HDAOC100	**100M**

SEAL of APPROVAL DPL4K 18G-DC WWW.DPLLABS.COM

25-100 METERS, 18Gbps

V(e)²LOX ® AUDIO

HDMI®
ethereal®

4

A VELOX PREMIUM OPTICAL AUDIO CABLE

• 24K Gold Plated Contact Connectors
• Black Cotton, Flexible Jacket
• Colored Logo for Wire Management

EHV-T1	1M
EHV-T2	2M
EHV-T3	3M

B VELOX PREMIUM STEREO RCA AUDIO CABLE

• 24K Gold Plated Contact Connectors
• Black Cotton, Flexible Jacket
• Compression RCA Connectors
• Colored Logo for Wire Management

EHV-A1	1M		EHV-A3	3M
EHV-A2	2M		EHV-A4	4M

C VELOX PREMIUM SUBWOOFER AUDIO CABLE

• 24K Gold Plated Contact Connectors
• Black Cotton, Flexible Jacket
• Compression RCA Connectors
• Colored Logo for Wire Management

EHV-SUB3	3M		EHV-SUB5	5M
EHV-SUB4	4M			

D ETHEREAL MHY HDMI® HIGH SPEED WITH ETHERNET

• Supports 4K@60Hz HDR
• 24K Gold plated Grip-Lox connector for securing cable to source and display devices
• Increased tensil pull tension without the risk of damaging connected equipment
• Multi-layer shielding
• Audio return channel (ARC)

MHY-LHDME-5	0.5M
MHY-LHDME1	1M
MHY-LHDME1-5	1.5M
MHY-LHDME2	2M
MHY-LHDME3	3M
MHY-LHDME4	4M
MHY-LHDME5	5M
MHY-LHDME6	6M
MHY-LHDMER7	7M
MHY-LHDMER8	8M
MHY-LHDMER10	10M
MHY-LHDMER12	12M
MHY-LHDMER15	15M

SEAL of APPROVAL
DPL4K
18G-DC
WWW.DPLLABS.COM

0.5-10 METERS, 18Gbps

12-15 METERS, 10.2Gbps

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ethereal® HDMI®

InstallBay® HDMI®

E

F

5

E ETHEREAL MHX HDMI® HIGH SPEED WITH ETHERNET
- Supports 4K@60Hz HDR
- 24K Gold plated Grip-Lox connector for securing cable to source and display devices
- Increased tensil pull tension without the risk of damaging connected equipment
- Multi-layer shielding
- Audio return channel (ARC)

MHX-LHDME-5	0.5M
MHX-LHDME1	1M
MHX-LHDME2	2M
MHX-LHDME3	3M
MHX-LHDME4	4M
MHX-LHDME5	5M
MHX-LHDME6	6M
MHX-LHDME7	7M
MHX-LHDME7-5	7.5M
MHX-LHDME8	8M
MHX-LHDME10	10M
MHX-LHDME12	12M
MHX-LHDME15	15M
MHX-LHDM17	17M

0.5-7.5 METERS, 18Gbps
8-12 METERS, 10.2Gbps
15-17 METERS, 6.75Gbps
8-17 METERS, 18Gbps*
* with use of the HDM-GA1 (sold separately)

F INSTALL BAY HDMI® HIGH SPEED WITH ETHERNET
- Supports 4K@60Hz HDR
- 24K Gold plated connector
- Multi-layer shielding
- Audio return channel (ARC)

IB-HD015	1.5FT	50 PACK
IB-HD030	3FT	35 PACK
IB-HD060	6FT	24 PACK
IB-HD090	9FT	15 PACK
IB-HD120	12FT	13 PACK
IB-HD150	15FT	10 PACK
IB-HD200	20FT	10 PACK
IB-HD350	35FT	6 PACK
IB-HD500	50FT	6 PACK

1.5-15 FEET, 18Gbps
20-50 FEET, 10.2Gbps

CORRECTION TOOL **+** CONTROL TRIGGER
+ VOLTAGE STABILIZER

A HDM ALL-IN-ONE CORRECTION TOOL

The HDM All-in-One (HDM-AIO) is the ultimate EDID problem-solving solution. The digital analysis component can correct audio and video timing issues found in HDMI components, including audio drop outs. Additionally, the HDM-AIO includes a voltage control trigger used to break the signal between the 5-volt and hot plug signal to create an EDID reset and provide a hot return delay of 100ms. Encompasses all the correction solutions from the HDM-JR, the HDM-VI2, the HDM-ACVS and the HDM VCT.

• Supports all HDMI 2.0b Features
• Supports all HDCP formats
• Supports 18Gbps
• Controlled 5 Volt Injection
• Controlled Hot Plug Injection
• Hot Return Delay of 100ms
• TMDS Power Insertion
• EDID Capacitive Stripping
• Corrects most common audio drop-outs
• Faster input switching
• Impulse Synchronization
• Hot plug control with external relay
• Requires USB power

HDM-AIO

B VOLTAGE CONTROL TRIGGER

The HDM-VCT is a compact HDMI® device that connects to a relay or digital I/O on a control system to break the signal between the 5-volt trigger and hot plug signal to create an EDID reset. In addition, the HDM-VCT, with supplemental TMDS voltage, adds 100ms delay to the hot return to ensure that the source is prepared to accept the signal.

• Supports all HDMI 2.0b Features
• Supports all HDCP formats
• Supports 18Gbps
• Controlled 5 Volt Injection
• Controlled Hot Plug Injection
• Hot Return Delay of 100ms
• TMDS Power Insertion
• Requires USB power

HDM-VCT

C ACTIVE CABLE VOLTAGE STABILIZER

The Active Cable Voltage Stabilizer supplies sufficient voltage and current to televisions to keep all sources, such as matrices and active cables, functioning. Some new displays do not provide enough power and result in a power failure once active cables are connected. The HDM-ACVS is designed to supply the correct voltage and current needed to keep sources and active cables functioning – especially at longer lengths.

• Data Throughput of 18Gbps
• Supports HDCP 2.2
• Small Size
• Mounting placement is typically at the display input.
• Works with all features of HDMI 2.0a

HDM-ACVS

METRA MULTIMEDIA BROADCAST

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E **F**

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## FLEXIBLE MULTI-SOURCE/MULTI-DISPLAY VIDEO DISTRIBUTION SYSTEM

The M3B Pro Series utilizes existing coax and splitters to make video distribution much simpler and far less expensive. With easy setup and a simple source selection via any learning remote, the need to re-wire is eliminated completely. With 100 channel output selection and LED channel display, the M3B Pro Series features a channel selection change of less than three seconds. The chassis of the M3B Pro Series has been redesigned with heavy, ventilated metal chassis and detachable ears for wall or rack accessory mounting, best fit with the M3B Pro Series 12 Port Rack Mount. The M3B Pro Series 12 Port Rack Mount was designed for clean and easy installations with ample space for ventilation and it has a durable black powder coat finish and thumb screws for attaching gear.
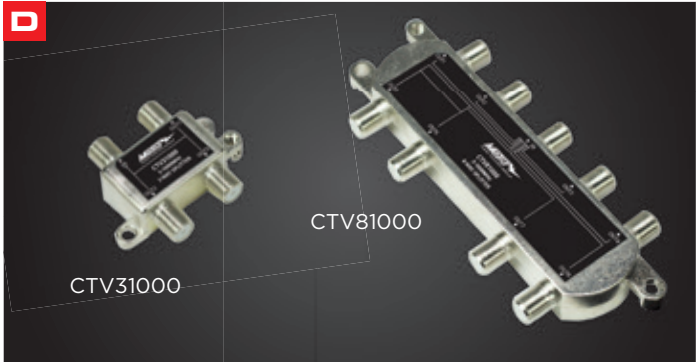
Reduced Delay to Change Sources

Rack or Wall Mount Options

Added Ventilation for Tight Areas

D M3B PRO SERIES TRANSMITTER
CS-HDM3BTXP

E M3B PRO SERIES RECEIVER
CS-HDM3BRXP

F M3B PRO RACK
Used for mounting M3B Pro series neatly into AV racks
CS-HDM3BRACK12

SPLITTER + SWITCH + TOOLS

A

1X2

1X4

B

3X1

5X1

C

D

CTV81000

CTV31000

E
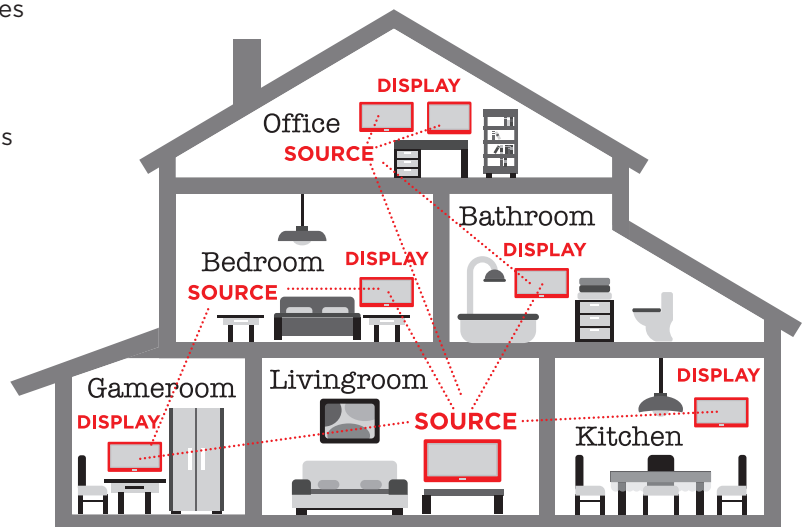
A HDMI® SPLITTER

• HDMI® Splitter with 1 input and 2 or 4 outputs
• Supports HDMI® 2.0 and HDCP 2.2
• Supports 1080p, 3D, 4K up to 10.2Gbps

CS-1X2HDMSPL3   **2 DISPLAYS**
CS-1X4HDMSPL3   **4 DISPLAYS**

B HDMI® SWITCHES

• HDMI® Switch with 3 inputs or 5 inputs and 1 output
• Supports HDMI® 2.0 and HDCP 2.2
• Supports 1080p, 3D, 4K up to 10.2Gbps
• Control with IR & RS232

CS-HDM3X1SW3   **3 SOURCES**
CS-HDM5X1SW3   **5 SOURCES**

C HDMI® SWITCHES

• HDMI® Switch with 5 inputs and 1 output
• Supports 480i/576i/480p/576p/720p/1080i/1080P Resolutions
• Supports Control with IR

AS-HDM-5X1SW   **5 SOURCES**

D CATV SPLITTER

Splitter features die cast construction with high precision machine-threaded F-ports, guaranteeing better conductivity of your cable signal. Use this passive splitter to send the same cable or other video signal to 3 or 8 televisions. Supports a digital-ready 5-1000MHz signal with minimal insertion losses. The nickel plated casing is rugged and durable. Compatible with all standard equipment using F connections and Ethereal M3B products.

CTV31000   One (1) F Connector Female input to three (3) F Connector Female outputs

CTV81000   One (1) F Connector Female inputs to eight (8) F Connector Female outputs

E DUAL-MODULAR CRIMPING TOOL

Dual-Modular crimping tool for 8P8C/RJ45, 6P6C/RJ-12 & 6P4C/RJ-11 connectors.
• Cuts
• Strips
• Crimps

CS-CRIMPTOOL

EDID + SPLITTER

F HDMI® EDID BLOCKER

The HDM-EDIDB EDID Blocker from Metra Home Theater Group allows most computers (PC's) and Security DVR/NVR to send an HDMI signal, both audio and video, to multiple displays simultaneously, making it ideal for schools, churches, recreational buildings and more. The EDID blocker connects to the HDMI port of a PC or Security DVR/NVR to block to block the EDID communication between the source and multiple displays to eliminate failure. Many HDMI outputs on computers (PC's) and Security DVR/NVR only want to see one screen and fail once other displays are added to the mix, the EDID Blocker resolves the problem between sources by turning off the return data from other devices and blocking input and output.

HDM-EDIDB

G HDMI® EDID REGENERATOR

The Junior+ (HDM-JRPLUS), resolves two common failures that occur within the Low Speed EDID communication bus, voltage swing issues and acceleration of the data speed, in a single compact unit that connects in-line with HDMI cables for a quick, easy to install solution. With the HDM-JRPLUS, users can fully operate within the 18Gbps domain without loss of signal integrity. The HDM-JRPLUS increases compatibility between devices that have different data tolerances to minimize failures, as well as between multiple brands of HDMI-enables electronics.

HDM-JRPLUS

H DIGITAL OPTICAL AUDIO SPLITTER

• Splits one input signal to three SPDIF/TosLink output signals
• Supports LPCM2.0/DTS/Dolby-AC3 audio
• Supports signal retiming
• Uses fiber optic cable
• Over-voltage protection
• Plug-and-play ready

AS-1X3TSPLIT

ethereal®

HDMI® ELECTRONICS

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A HDMI® EXTENDER OVER SINGLE CAT5E 60M WITH IR, POE & LOOP OUT

• Carries HDMI signals up to 60 Meters over single CAT6
• 7 Built in Adjustable EDID settings
• HDMI loop out on Transmitter
• Includes IR blaster & IR receiver
• Power only required on single side

CS-HDC5EXTSRPOE

B HDMI® EXTENDER OVER SINGLE CAT5E 60M WITH IR 4K

• Supports HDMI 2.0 & HDCP 2.2
• Resolutions supported: up to 4k @ 60Hz (Non-HDR)
• Compatible with CAT5e/CAT6/CAT6A
• Transmission distance: up to 60m/196ft over CAT6
• Supports IR pass back 20-60Hz with included IR receiver & emitter
• Wall mountable

CS-HDC5EXT4K

C 1X2 HDMI® SPLITTER EXTENDER

• Distribute 1 HDMI source to 2 HD displays over category cable simultaneously
• HDMI Loop-Out: 1
• Compatible with CAT5e/CAT6/CAT6A
• Transmission distance: up to 60m/196ft
• Resolution supported: up to 1080p @ 60Hz
• Supports IR pass back 20-60Hz with included IR receivers & emitter
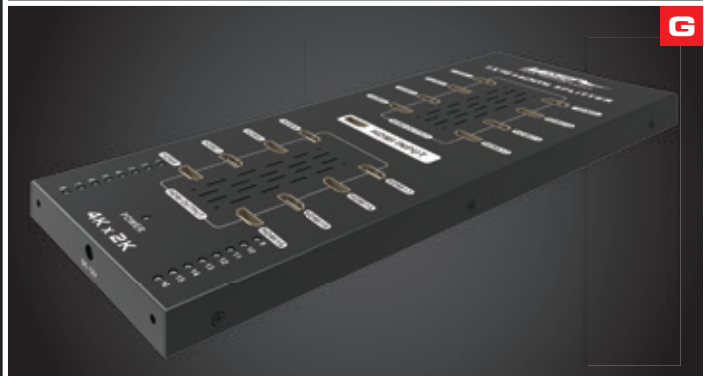• Power over transmitter built in – Power not required for receivers
• Wall mountable

CS-1X2HDSPLEXT

D 1X4 HDMI® SPLITTER EXTENDER

• Distribute 1 HDMI source to 4 HD displays over category cable simultaneously
• HDMI Loop-Out: 1
• Compatible with CAT5e/CAT6/CAT6A
• Transmission distance: up to 60m/196ft
• Resolution supported: up to 1080p @ 60Hz
• Supports IR pass back 20-60Hz with included IR receivers & emitter
• Power over transmitter built in – Power not required for receivers
• Wall mountable

CS-1X4HDSPLEXT

MetRa HOME THEATER GROUP

HDMI® ELECTRONICS

11

E **1X8 HDMI® SPLITTER EXTENDER**

- Distribute 1 HDMI source to 8 HD displays over category cable simultaneously
- HDMI Loop-Out: 1
- Compatible with CAT5e/CAT6/CAT6A
- Transmission distance: up to 60m/196ft
- Resolution supported: up to 1080p @ 60Hz
- Supports IR pass back 20-60Hz with included IR receivers & emitter
- Power over transmitter built in – Power not required for receivers
- Wall mountable

CS-1X8HDSPLEXT

F **1X8 HDMI® SPLITTER**

- Distribute 1 HDMI source to 8 HDMI Displays
- Resolution supported: up to 4K @ 60Hz
- HDCP Compliant: HDCP 2.2
- Wall mountable

CS-1X8HDMSPL3

G **1X16 HDMI® SPLITTER**

- Distribute 1 HDMI source to 16 HDMI Displays
- Resolution supported: up to 4K @ 30Hz
- HDCP Compliant: HDCP 1.3
- Wall mountable or rack mountable

CS-1X16HDMSPL

ORDER ONLINE **MetraHomeTheater.com**   CALL TO ORDER **1.866.839.9187**

MetRa
HOME THEATER GROUP

WIRELESS EXTENDERS **+** HDBASET EXTENDERS

A HDMI® WIRELESS EXTENDER W/IR 50M
• Wirelessly sends HDMI signals Up to 50 Meters (Line of Sight)
• 1080P Support
• Works through Walls
• Strong anti-interference ability by running at 5GHz frequency
• Supports point to point wireless connection
• Supports IR pass back 20-60Hz with included IR receiver & emitter
• Simple Setup

CS-HDMW50

B HDMI® WIRELESS EXTENDER W/IR 4K/60 200M
• Wirelessly sends HDMI signals Up to 200 Meters (Line of Sight)
• 4K @ 60Hz (Non-HDR) Support
• Works through Walls
• Strong anti-interference ability by running at 5GHz frequency
• Supports point to point wireless connection
• Supports IR pass back 20-60Hz with included IR receiver & emitter
• Simple Setup

CS-HDMW4K60

C HDBASET 2.0 HDMI® EXTENDER 70M
• Supports HDMI 2.0 & HDCP 2.2
• Resolutions supported: up to 4k @ 60Hz HDR
• Compatible with CAT5e/CAT6/CAT6A
• Transmission distance: up to 70m/229ft over CAT6
• Supports Bidirectional IR pass back 20-60Hz with included IR receiver & emitter
• Supports Bidirectional RS232
• Wall mountable

CS-HDBTLPOE2-70

D HDBASET 2.0 HDMI® EXTENDER 100M
• Supports HDMI 2.0 & HDCP 2.2
• Resolutions supported: up to 4k @ 60Hz HDR
• Compatible with CAT5e/CAT6/CAT6A
• Transmission distance: up to 100m/328ft over CAT6
• Supports Bidirectional IR pass back 20-60Hz with included IR receiver & emitter
• Supports Bidirectional RS232
• Wall mountable

CS-HDBTPOE2-100

CALL TO ORDER **1.866.839.9187**   ORDER ONLINE **MetraHomeTheater.com**

E ANALOG AUDIO BALUN

• Extends analog stereo audio over standard CAT5e/CAT6 cables
• 20 Hz to 20 KHZ bandwidth
• Distance supported: Up to 3280ft (1000 Meters)
• Insertion Loss: Less than 2 dB over the frequency range

CS-C5SA1

HELIOS®

F IR KIT WITH 1 BAR RECEIVER & 4 EMITTERS

• Works with Major US IR Repeating systems
• Receive Frequency range: 38 KHz & 56 KHz
• Transmit Frequency range: 38 KHz & 56 KHz
• Multi Input for IR Receivers
• 6 Port IR Connecting Block
• 4 IR Emitters 3 Meters (9.84 feet)
• 12 Volt Power Supply

CS-IRKIT1US

G IR SYSTEM 12V POWER SUPPLY

• 12 Volt Power Supply for CS-IRCB1US

CS-IRPS1US

H IR CONNECTING BLOCK

• Works with Major US IR Repeating systems
• Receive Frequency range: 38 KHz & 56 KHz
• Transmit Frequency range: 38 KHz & 56 KHz
• Multi Input for IR Receivers
• 6 Port IR Connecting Block
• Expansion Capability

CS-IRCB1US

IR ACCESSORIES

14

A

B

C

D
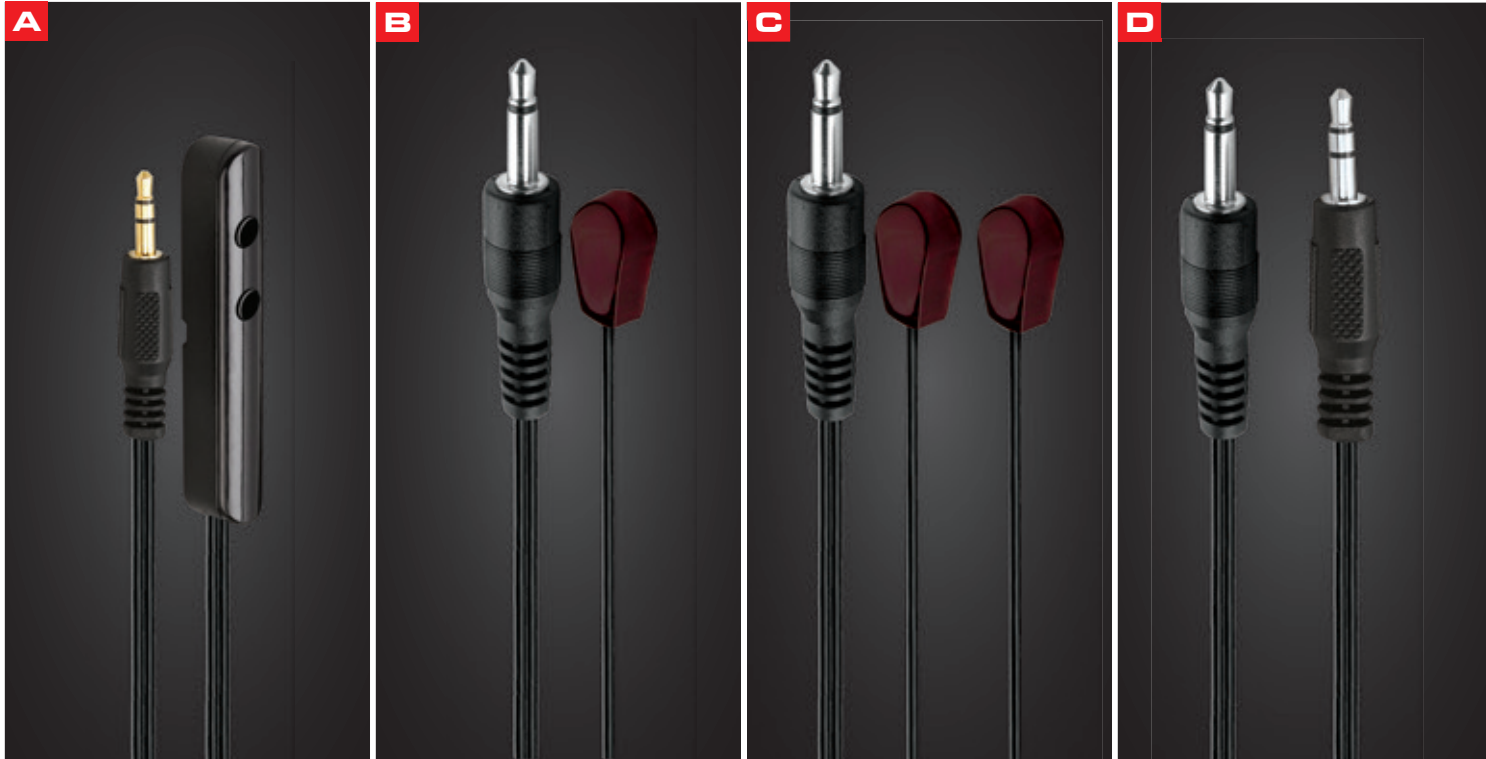
A IR BAR RECEIVER
- Works with Major US IR Repeating systems
- Receive Frequency range: 38 KHz & 56 KHz
- Cable length is 3 meters (9.84 feet)
- 3.5 mm Stereo Mini plug

CS-IRBR1US

B IR SINGLE EMITTER
- Works with Major US IR Repeating systems
- Transmit Frequency range: 38 KHz & 56 KHz
- Cable length is 3 Meters (9.84 feet)
- 3.5 mm Mono Mini plug

CS-IR1EUS

C IR DUAL EMITTER
- Works with Major US IR Repeating systems
- Transmit Frequency range: 38 KHz & 56 KHz
- Cable length is 3 Meters (9.84 feet)
- 3.5 mm Mono Mini plug

CS-IR2EUS

D IR CONNECTING CABLE STEREO TO MONO
- 3.5 mm Stereo Plug to 3.5 mm Mono Plug
- For use when adding Connecting Block to Control Systems
- Cable length is 1 Meter (3.28 feet)

CS-IRCC

HELIOS®

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E HDMI® AUDIO BREAKOUT

Easily obtain an analog or digital audio output connection from an existing HDMI® source.
• HDMI® pass through with de-embedded audio
• Selectable HDMI® audio on HDMI® output for native pass through, 5.1 CH or 2 CH
• Breaks out PCM audio output for toslink, digital coax and 3.5mm stereo analog

CS-HDMABO

F USB POWERED IR EXTENDER

Keep your A/V devices hidden without sacrificing control
• 6' USB IR receiver with LED feedback supports 20-60kHz frequencies
• 4 compact IR emitters with 3' extension cables
• Easily powered with televisions USB port or use separate USB power

AS-IRUSB4

G ANALOG TO DIGITAL CONVERTER

• Converts Analog to Digital Signal (PCM)
• Supports Optical & Digital Coax Outputs
• Stereo RCA input

CS-ATD

H 8P8C/RJ45 COVER BOOTS

• Compatible with CAT5 & CAT6 Cable
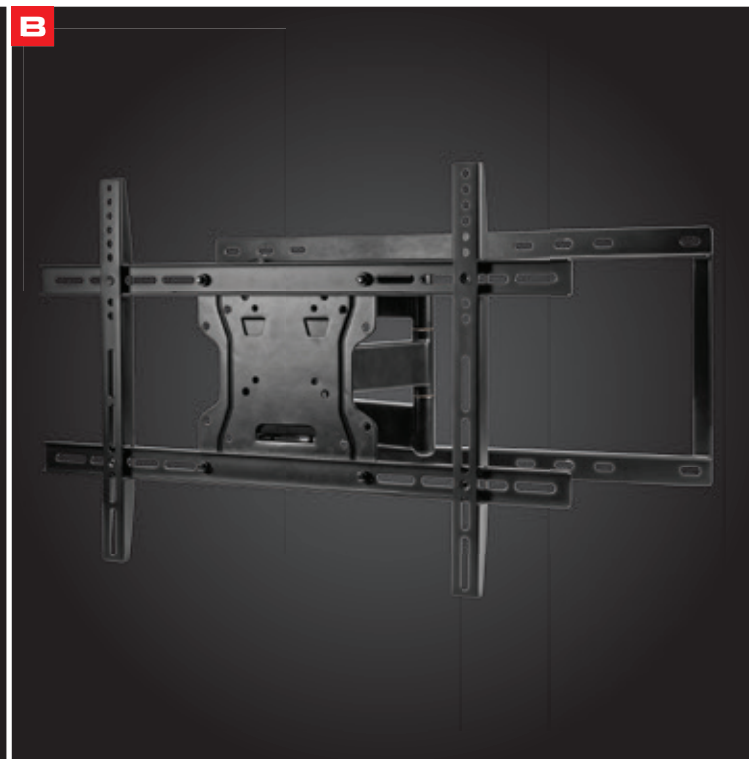• Available in Blue, Black, Green, Red, White & Yellow
• 50 Pack

CATBOOT-BL	BLUE
CATBOOT-BK	BLACK
CATBOOT-GN	GREEN
CATBOOT-RD	RED
CATBOOT-WH	WHITE
CATBOOT-YL	YELLOW

I BULK RG6 QUAD CABLE

RG6 Quad CCS, 3.0GHz CL2
• Black

RG6Q-B-50	50 FT
RG6Q-B-100	100 FT
RG6Q-B-250	250 FT

Metra®
HOME THEATER GROUP

HELIOS® ULTRA LOW FIXED + LARGE FULL EXTENSION

A

B

A LARGE FULL MOTION CENTER EXTENSION MOUNT

- Fits TV's 42"-84"
- Tilting angle: +5°/-15°
- Extension: 70 - 470mm (2.8"- 18.5")
- Swivel angle: +45°/-45°/-
- Weight capacity: 132 lbs
- VESA Compliant: 200x200, 400x200, 400x400, 600x400
- Dual Stud installation with 16" or 24" on center studs
- All steel construction
- All hardware & mounting level included
- Durable Black Powder Coat finish
- UL Listed

FML642

B LARGE FULL MOTION SIDE EXTENSION MOUNT

- Fits TV's 42"-84"
- Tilting angle: +5°/-15°
- Extension: 80 - 550mm (3.2"- 21.7")
- Swivel angle: +90°/-90°/-
- Weight capacity: 132 lbs
- VESA Compliant: 100x100, 200x100, 200x200, 400x200, 400x400, 600x400
- Dual Stud installation with 16" or 24" on center studs
- All steel construction
- All hardware & mounting level included
- Durable Black Powder Coat finish
- UL Listed

FML64S

C ULTRA LOW PROFILE FIXED MOUNT

- Fits TV's 42"-84"
- Depth from wall: 14mm (0.55")
- Weight capacity: 99 lbs
- VESA Compliant: 100x100, 200x100, 200x200, 400x200, 400x400, 600x400
- Dual Stud installation with 16" or 24" on center studs
- All steel construction
- All hardware & mounting level included
- Durable Black Powder Coat finish
- UL Listed

LPU64

D MEDIUM SINGLE STUD FULL-MOTION MOUNT

- Fits TV's 26"-60"
- Tilting angle: +5°/-15°
- Extension: 64 - 484mm (2.5"- 19.1")
- Swivel angle: +90°/-90°/-
- Weight capacity: 66 lbs
- VESA Compliant: 100x100, 200x100, 200x200, 200x400, 400x200, 400x400
- Single Stud installation
- All steel construction
- All hardware & mounting level included
- Durable Black Powder Coat finish
- UL Listed

FMM44

E FULL MOTION IN-WALL 400X400

- Fits TV's 32"-60"
- Tilting angle: +5°/-15°
- Extension: up to 381mm (15")
- Swivel angle: +90°/-90°/
- Weight capacity: 75 lbs
- VESA Compliant: 100x100, 200x200, 400x400
- In wall installation between 16" on center studs
- All steel construction
- All hardware included
- Durable Black Powder Coat finish
- ETL Listed

FM44IW

SPYCL⊙PS NVR KITS
SURVEILLANCE SYSTEMS

A

B

A 4 CHANNEL POE NVR KIT
- (1) 4 Channel NVR with 4 POE ports
- (4) 1080p POE bullet cameras
- (4) 18 Meter (59 feet) pre-terminated Ethernet cables
- (1) 15V power supply
- 1 USB mouse
- 1 Quick install guide

NVR Specifications
- 4 Channel POE Lan ports connection
- HD 1080P resolution all cameras
- VGA and HDMI outputs
- Free Remote View app for Android and IOS
- 1 TB hard drive included

Camera Specifications
- HD 1080p Resolution
- 3.6mm fixed lens
- IR LED's for night vision
- Auto 3D-DNR
- RJ45 POE connection
- IP66 rated for indoor/outdoor installations

SPY-NVR4POEKIT1

(Please note this NVR kit is a closed system and is not compatible with other camera models and the included cameras are not compatible with other systems)

B 8 CHANNEL POE NVR KIT
- (1) 8 Channel NVR with 4 POE ports
- (1) 1TB HDD pre-installed
- (8) 1080p POE bullet cameras
- (8) 18 Meter (59 feet) pre-terminated Ethernet cables
- (1) 15V power supply
- (1) USB mouse
- (1) Quick install guide

NVR Specifications
- 8 Channel POE Lan ports connection
- HD 1080P recording resolution all cameras
- VGA and HDMI outputs
- Free Remote View app for Android and IOS
- 1 TB hard drive included

Camera Specifications
- HD 1080p Resolution
- 3.6mm fixed lens
- IR LED's for night vision
- Auto 3D-DNR
- RJ45 POE connection
- IP66 rated for indoor/outdoor installations

SPY-NVR8POEKIT1

(Please note this NVR kit is a closed system and is not compatible with other camera models and the included cameras are not compatible with other systems)

NVRS

SPYCLOPS
SURVEILLANCE SYSTEMS

SURVEILLANCE NVRS

19

C 4 CHANNEL POE NVR WITH INSTALLED HARD DRIVE

• 4 Channel POE Lan ports connection
• HD 1080P recording resolution all cameras
• VGA and HDMI outputs
• Free Remote View app for Android and IOS
• 1 Drive bay supports up to 4TB HDD
• 1 TB hard drive pre-installed

SPY-NVR4POE   **HARD DRIVE INCLUDED**
SPY-NVR4POEND   **HARD DRIVE NOT INCLUDED**

D 8 CHANNEL POE NVR WITH INSTALLED HARD DRIVE

• 8 Channel POE Lan ports connection
• HD 1080P recording resolution all cameras
• VGA and HDMI outputs
• Free Remote View app for Android and IOS
• 2 Drive bays supports up to 4TB HDD each for up to 8TB total storage
• 1 TB hard drive pre-installed

SPY-NVR8POE   **HARD DRIVE INCLUDED**
SPY-NVR8POEND   **HARD DRIVE NOT INCLUDED**

WIRELESS KIT

20

A

B
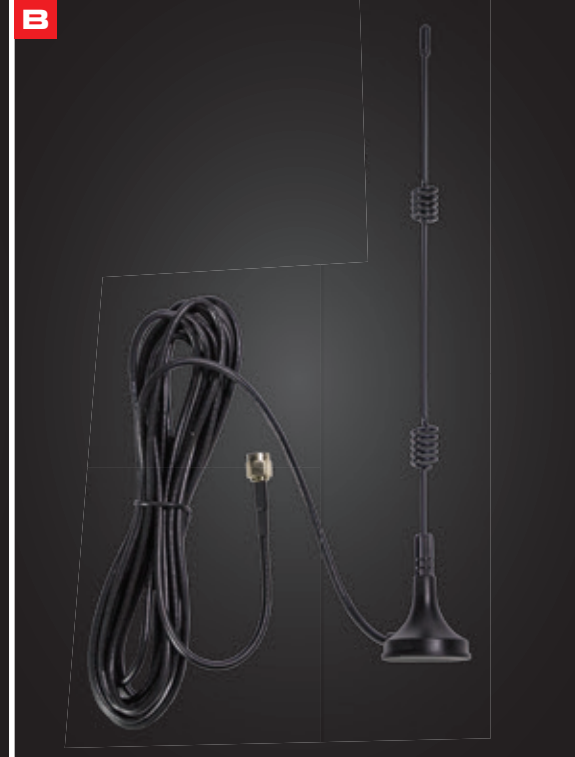
A 8 CHANNEL WIRELESS NVR KIT
• For Spyclops Wireless NVR Kits

NVR Specifications
• 8 Channel Wireless Connection
• HD 720P Resolution
• VGA and HDMI Outputs
• 1 RJ45 WAN Port
• Free View App for Android And iOS
• 1 TB Hard Drive Included

Camera Specifications
• 1/4" 3.6mm Fixed Lens
• Auto 3D-DNR
• RJ45 & Wireless
• HD 720P Resolution
• IP66

Accessories Included
• (8) Bullet Camera Power Supplies
• NVR Power Supply
• Mouse

SPY-NVR8720W

B RANGE EXTENDING ANTENNA
Remotely locate your antenna to another location to get a better line of sight path for your wireless signal.
• For Spyclops Wireless NVR Kits
• Cable length: 3 Meters (9.84 ft)

SPY-NVRWANT

MeTra
HOME THEATER GROUP

BULLET UNI-MOUNT

SPYCLOPS
SURVEILLANCE SYSTEMS

C GRAY BULLET UNI-MOUNT VARIFOCAL 4-IN-1
• Color: Grey
• Supports AHD, TVI, CVI or 960H Analog Video Formats
• 2.8mm - 12mm Manual Varifocal Lens
• Sony 2.1MP CMOS Image Sensor
• 1080P Resolution
• Rated IP66: Water Resistant for Outdoor Use
• Built in IR LEDs - Up to 60 Meter Distance in Darkness
• Single HEX Screw for Adjusting Position

SPY-BLTG34N124

D WHITE BULLET UNI-MOUNT VARIFOCAL 4-IN-1
• Color: White
• Supports AHD, TVI, CVI or 960H Analog Video Formats
• 2.8mm - 12mm Manual Varifocal Lens
• Sony 2.1MP CMOS Image Sensor
• 1080P Resolution
• Rated IP66: Water Resistant for Outdoor Use
• Built in IR LEDs - Up to 60 Meter Distance in Darkness
• Single HEX Screw for Adjusting Position

SPY-BLTW34N124

A

B

C

A 14" STRUCTURED PANEL
• Grommets included
• Flexible mounting for stud spacing variations
• Recessed or Surface Mount
• Durable white powder coat finish
• Solid Steel Construction
• Includes 10 cable ties and mounts
• Door sold separately

CS-SP14

C 28" STRUCTURED PANEL
• Grommets included
• Flexible mounting for stud spacing variations
• Recessed or Surface Mount
• Durable white powder coat finish
• Solid Steel Construction
• Includes 10 cable ties and mounts
• Door sold separately

CS-SP28

B 20" STRUCTURED PANEL
• Grommets included
• Flexible mounting for stud spacing variations
• Recessed or Surface Mount
• Durable white powder coat finish
• Solid Steel Construction
• Includes 10 cable ties and mounts
• Door sold separately

CS-SP20

ethereal®

PANELS

D

E

F

23

D 14" STRUCTURED PANEL DOOR
• Hinged Metal Door
• Lock & 2 keys included for added security
• Integrated louvered ventilation
• Can support up to 4 120mm cooling fans with preset mounting holes for improved cooling
• Durable white powder coat finish
• Solid Steel Construction

CS-SPD14

F 28" STRUCTURED PANEL DOOR
• Hinged Metal Door
• Lock & 2 keys included for added security
• Integrated louvered ventilation
• Can support up to 4 120mm cooling fans with preset mounting holes for improved cooling
• Durable white powder coat finish
• Solid Steel Construction

CS-SPD28

E 20" STRUCTURED PANEL DOOR
• Hinged Metal Door
• Lock & 2 keys included for added security
• Integrated louvered ventilation
• Can support up to 4 120mm cooling fans with preset mounting holes for improved cooling
• Durable white powder coat finish
• Solid Steel Construction

CS-SPD20

DATACOMM™ + MEDIA BOX

DATA COMM ™
ETHEREAL®

ETHEREAL®

A DÉCOR DUPLEX USB CHARGER

DataComm Décor Duplex 4.0A USB Charger With 15A/125V Tamper Resistant Outlet. DataComm Electronics' Décor Duplex 4.0A USB Charger is designed to quickly and easily replace existing outlets allowing you to charge multiple devices at once without sacrificing power outlets. Simply connect the USB end of your device's charging cable into either of the USB ports, then connect the charging end of the cable to your smartphone, tablet, or other device.

Features
• Use in residential applications
• Vertically positioned USB ports allow for more flexibility and reduce stress on USB cables
• Fits in a standard wallbox, is compatible with standard wallplates and can be multi-ganged with other devices
• Designed to easily replace existing outlets
• Compatible with USB 2.0 devices
• Fits in most major manufacturers' décor style wallplates
• 4.0 A total USB charging capacity (2.0 A per USB Port)
• Two 15 Amp / 125 Volt tamper resistant receptacles
• ETL Listed

48-0204-WH

B CABLE PLATE WITH FLEXIBLE OPENING

DataComm Electronics' patented Cable Plate with Flexible Opening is used to install low voltage cables behind your at panel TV, your amplifier or other audio video devices. This Cable Plate allows you to pass low voltage cables through the wall, while keeping the opening in the wall covered. No low voltage mounting plate is required for installation; mounting wings are attached to the rear of the cable plate and fasten tightly against the back of drywall.

45-0014-WH

C REVERSE NOSE DÉCOR INSERT

Use the Reverse Nose Décor Insert to install low voltage cables behind your HDTV, amplifier or other audio video devices. This insert is designed to be installed into a low voltage mounting bracket (sold separately) that is installed into the wall.
• Low profile design fits behind thin mounts and TV's
• Conceal multiple low voltage cables behind your HDTV
• Easily holds up to 6 cables
• Mounts flush with a décor style wall plate
• Mounts to a standard low voltage mounting ring, old work ring
• Allows internal cable management
• Perfect for eliminating connections at the wall
• Quick and easy install

45-0004-WH

METRA HOME THEATER GROUP™

CALL TO ORDER **1.866.839.9187**   ORDER ONLINE **MetraHomeTheater.com**

D RECESSED MEDIA BOX II

DataComm Electronics' Recessed Media Box II is designed to streamline power and cable management behind your HDTV. The box features a side cover plate with knockouts for conduit or tube making it ideal for rough-in applications while allowing your TV or other display to be mounted flush to the wall. The side cover plate features 1" and 2" knockouts for conduit or tube. There are two openings inside of the Recessed Media Box, one on the top and one on the bottom. Three interchangeable plates are included to cover these openings, allowing for multiple configuration options. The three plates include a Flexible Opening Plate, 6-Port Keystone Plate and a Blank Plate

RECESSED MEDIA BOX II
Features
UL Listed, 15 Amp/125 Volt Duplex Receptacle:
• Outlet box included
• Metal mounting wings are attached to the media plate
  and fasten tightly against the back of the drywall when installed
• Available in three models
• Quick and easy to install
45-0053-WH

RECESSED MEDIA BOX II SURGE SUPPRESSOR
Features
UL Listed, 15 Amp/125 Volt Duplex Receptacle:
• Maximum surge current - 15,000 amps
• Clamping response time - 1 nanosecond
• Hot/Neutral, Hot/Ground, Neutral/Ground
• Total maximum surge dissipation - 480 joules
45-0063-WH

RECESSED MEDIA BOX II 20 AMP MODEL WITH STEEL OUTLET BOX
Features
UL Listed 20 Amp/125 Volt Duplex Receptacle:
• 2 pole/3W
• Rear connection with side screw terminals
• Tamper resistant
45-0054-WH

E DATACOMM RECESSED LOW VOLTAGE MEDIA PLATE
• Tamper resistant, 15 Amp / 125 Volt duplex
  receptacle included
• Mounting wings are attached to the back of the plate
  to fasten against the drywall as you tighten down
45-0031-WH

DATACOMM™ + MEDIA BOX

26

A HOLE SAW PLATE

Small 2" square design intended for managing cables & hiding behind components
• Brush opening allows an HDMI(R) cable to fit through
• Metal mounting wings molded onto plate
• 1-piece design for use with 1.75" hole saw

45-0006-WH

B EASY MOUNT CABLE PLATE

• Mounting wings are molded onto the plate - no low voltage mounting bracket
• Designed for standard wall depth.

45-0008-WH

C FLEXIBLE SPLIT PLATE

• Allows additional cables without disconnecting existing cables
• Installs onto a 1-Gang low voltage mounting bracket

45-0017-WH

D EXPANDABLE MEDIA BOX

• Tamper resistant, 15 Amp / 125 Volt duplex receptacle included
• Mounting wings are attached to the back of the plate to fasten against the drywall as you tighten down

45-0051-WH

E PRO POWER KIT W/ STRAIGHT BLADE INLET

• Recessed top plate with a 15 Amp clock receptacle
• Recessed bottom plate with straight blade inlet
• Includes 2 outlet boxes, 6 ft. of 16/s with ground electrical building wire, and wire nuts
• Quick and easy to install

45-0023-WH

F PRO POWER KIT W/ DUPLEX RECEPTACLE & STRAIGHT BLADE INLET

• Tamper resistant, 15 Amp / 125 Volt duplex receptacle included
• Mounting wings are attached to the back of the top and bottom plate to fasten against the drywall as you tighten down

45-0024-WH

G

H

4 PAIR

I

6 PAIR

ACCESSORIES

27

G TAILGATE TV MOUNT

Durable and functional mount that's compatible with most televisions ranging from 32" to 55" and weighing up to 60 lbs. The simple plug and play mount attaches directly to a 2" trailer receiver hitch for quick and easy installation. With durable black powder coat finish, the Helios Tailgate Mount is weatherproof for rain or shine and designed with clearance to allow tailgate up or down configurations. The Helios Tailgate Mount is made VESA Complaint with 100x100, 200x200, 400x400 and 600x400 patterns and all television mounting accessories come included with the mount to create a robust tailgate entertainment solution.

• Supports up to 60lbs
• VESA Compliant with 100x100, 200x200, 400x400 & 600x400 patterns
• Compatible with 2" hitch receiver (requires adapter for use with 1.25")

• Can be used in tailgate down or up configurations
• Compatible with most 32"-55" Televisions
• Includes TV mounting hardware
• Durable black powder coat finish

TGML64

H **I** SPEAKER SELECTORS

The AS-SS4 & AS-SS6 are low profile speaker selectors that allow you to distribute a stereo speaker-level (amplified) signal to multiple listening zones. These speaker selectors feature a manually activated impedance protection circuit. The protection switch can be turned ON to prevent the impedance to your amplifier from dropping below 5 Ohms, regardless of the number and impedance ratings of your speakers. The protection switch can be turned OFF when used as part of a system incorporating impedance matching volume controls, allowing you to get the most out of your amplifier.

AS-SS4 **4 PAIR**
AS-SS6 **6 PAIR** (When connected to 8ohm speakers)

METRA HOME THEATER GROUP'S WARRANTY PROMISE

Metra Home Theater Group provides integrators with an exceptional warranty policy, including a limited lifetime warranty on all cables, a five-year warranty on mounts, a three-year warranty on all power products and Spyclops DVR's and Cameras, and a one year warranty on all adaptor accessories, HDMI products, antennas, hand tools and Spyclops power supplies, NVR HDDs and accessories. Nearly every product available from Metra Home Theater Group is covered under a warranty policy.

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National: 866.839.9187
Fax: 386.252-9399
National Fax: 800.647.8091

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METRA DETROIT • St. Claire Shores, MI

OVERSEAS OPERATIONS

Taipei, Taiwan R.O.C. • Hong Kong

Metra
HOME THEATER GROUP

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MHTG-NPBRO17