

Solución Propuesta

Dentro de nuestra propuesta estamos suministrando lo solicitado por el cliente, participando en el Lote II correspondiente a los ítems (Solución para Video Wall) para de esta forma cumplir con lo solicitado agregando nuestras capacidades en proyectos de igual similitud mejorando de esta forma elevada su experiencia ante la solución.

Componentes de la solución propuesta

Lote 2

Ítem 1

Solución para Video Wall

Requerido por Cliente: Video Wall Matriz 4 x 2 (161.2" W x 45.6" H)

Ofertado: Video Wall Matriz 6 x 3

Modelo: DVX-2255HD

Cantidad: Uno (1)

Link Producto: <https://www.amx.com/en/products/dvx-2255hd>

Garantía: Tres (3) años

El conmutador de presentación todo en uno Enova® DVX-2255HD 6x3 es un dispositivo unificado de audio, video y control que reemplaza la necesidad de numerosos componentes individuales y elimina los desafíos de integración y confiabilidad que los acompañan

El conmutador de presentación compacto 3U integra una variedad de funciones diferentes, como un escalador, un convertidor de señal analógica a digital, un transmisor de par trenzado y un amplificador con procesamiento de audio de grado profesional incorporado en un solo chasis.

Con funciones exclusivas de AMX, el DVX-2255HD es una solución flexible y fácil de instalar, ideal para salas de conferencias, aulas y auditorios grandes y complejos.





APLICACIONES COMUNES

- ✓ El DVX-2255HD es ideal para simplificar drásticamente el control y la distribución de AV en salas de conferencias, salas de juntas y aulas pequeñas, medianas y grandes.
- ✓ Con las entradas DXLink incluidas, el DVX-2255HD es perfecto para salas donde el rack de AV no está cerca de sus dispositivos fuente y pantalla.
- ✓ El flexible DVX-2255HD es perfecto para cualquier espacio de colaboración complejo con una combinación de fuentes analógicas y digitales, varias pantallas o salas que requieran soporte para videoconferencias.
- ✓ El DVX-2255HD es perfecto para cualquier habitación o instalación con limitaciones de espacio, especialmente aquellas que carecen de espacio en los racks de equipos.

Especificaciones

Entradas de vídeo	✓ (2) DVI-I multiformato, (2) HDMI, (2) DXLink. Consulte la hoja de datos para obtener más detalles.
Salidas de vídeo	✓ (2) HDMI; admite HDMI/HDCP, (1) DXLink; admite video digital, audio, Ethernet, control bidireccional y alimentación
Soporte de resolución de video	✓ Admite resoluciones de hasta 1920 x 1200 a 60 Hz. Consulte la Guía de referencia de operaciones para obtener detalles sobre cada tipo de señal.
Entradas de audio	✓ (2) conectores minifono estéreo hembra de 1/8", (2) terminales de cable cautivo de 5 posiciones y 3,5 mm, (2) conectores MIC de cable cautivo de 3 pines y 3,5 mm, (2) conexiones HDMI, (2) Conexiones DXLink Ver hoja de datos para más detalles
Salidas de audio - SP	✓ (1) Salida de audio amplificada; Conector de cable cautivo de 4 posiciones, (2) salidas de audio de nivel de línea, (1) salida S/PDIF, (2) salidas HDMI, (1) salida DXLink. Consulte la hoja de datos para obtener más información.
Salidas de audio - T	✓ (1) Salida de audio amplificada; Conectores de cables cautivos de 2 posiciones, (2) salidas de audio de nivel de línea, (1) salida S/PDIF, (2) salidas HDMI, (1) salida DXLink. Consulte la hoja de datos para obtener más información.
Puerto AxLink	✓ (1) Terminal de tornillo de 3,5 mm de 4 posiciones, proporciona datos y alimentación a dispositivos de control AxLink externos
Puertos RS-232/422/485	✓ (1) Terminal de tornillo de 3,5 mm de 10 posiciones, puerto NetLinx 1, XON/XOFF (transmisión activada/transmisión desactivada), CTS/RTS (transparente para enviar/listo para enviar), 300 - 115 200 baudios
Puerto RS-232	✓ (3) Terminal de tornillo de 3,5 mm de 5 posiciones, puertos NetLinx 2-4, XON/XOFF (transmisión activada/transmisión desactivada), CTS/RTS (claro para enviar/listo para enviar), 300 - 115 200 baudios
IR/serie	✓ (4) Terminal de tornillo de 3,5 mm de 2 posiciones, 4 puertos de transmisión IR/serie de 1 vía, puertos NetLinx 11-14. Consulte la hoja de datos para obtener más información.



Canales de E/S	✓ (4) Terminal de tornillo de 3,5 mm de 6 posiciones, puerto de E/S binaria de 4 canales para cierre de contacto con cada entrada capaz de detectar voltaje, puerto NetLinx 22, canales 1-4
Relés	✓ (4) dos terminales de tornillo de 3,5 mm de 8 posiciones, (4) relés unipolares de un solo paso, puerto NetLinx 21, canales 1-4. Consulte la hoja de datos para obtener más información.
Dimensiones (alto x ancho x ancho)	✓ 5 3/16" x 17" x 14" (13,2 cm x 43,2 cm x 35,6 cm)
Números FG	✓ FG1906-12 (2x25 W, 8 ohmios) ✓ FG1906-14 (75 W, 70/100 V)

Ítem 2

Requerido por Cliente: Ocho (8) Monitores LED Backlit de marco ultra fino de Bezel 46"

Ofertado: VMTU-Series 46"-Class Video Wall Display, Samsung.

Modelo: VMTU-Series 46

Cantidad: Ocho (8)

Garantía: Tres (3) años

Link Producto <https://displaysolutions.samsung.com/digital-signage/detail/1763/VM46T-U>

VM46T-U

Uniformidad impecable y experiencia de visualización vívida con pantallas de pared de video con marco ultra angosto

Video wall de bisel ultrafino de 3,5 mm (B-to-B) que permite una visualización perfecta.



La profundidad del gabinete excepcionalmente delgada brinda flexibilidad para crear la pared de video exacta

Los paneles antideslumbrantes distribuyen uniformemente la luz en la pantalla para mantener un contenido vibrante y preciso.

Características Básicas Panel

- ✓ **Tamaño diagonal** 46"
- ✓ **Tipo IPS** Resolución 1920*1080 (Full HD)
- ✓ **Paso de píxeles** (mm) 0,53 mm (H) * 0,53 mm (V)
- ✓ **Área de visualización activa** (mm) 1018,08 * 572,67 mm
- ✓ **Brillo** (típ.) Máx 500 nits
- ✓ **Relación de contraste** 1200:1
- ✓ **Ángulo de visión** (H/V) 178/178
- ✓ **Tiempo de respuesta** (G a G) 8ms

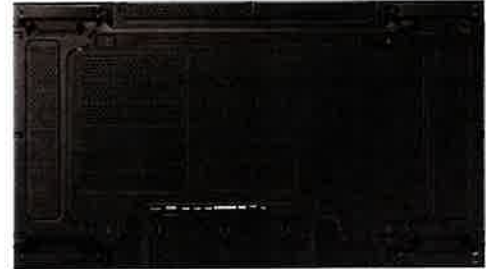




- ✓ Colores de visualización 8 bits - 16,7 M
- ✓ Gama de colores 72%
- ✓ Hora de operación 24/7

- ✓ Bruma 25%

Connectivity	
Input	
RGB	DVI-D, Display Port 1.2
Video	HDMI 2.0 (2)
HDCP	HDCP 2.2
Audio	Stereo mini Jack
USB	Only F/W upgrade
Output	
RGB	DP1.2(Loop-out)
Audio	Stereo mini Jack
External Control	RS232C(in/out), RJ45
External Sensor	Detachable type(IR)





Type	Power
Power Supply	Internal
Power Supply	AC 100 - 240 V~, 50/60 Hz
Power Consumption	
Max[W/h]	160
Typical[W/h]	111
BTU(Max)	600
Sleep mode	less than 0.5W
Off mode	less than 0.5W

Ítem 3

Requerido por Cliente: Ocho (8) Base para monitor de VideoWall de 46"

Ofertado: Montaje de pared de video extraíble a presión.

Cantidad: Ocho (8)

Modelo: Hassle Audio Video-Mount

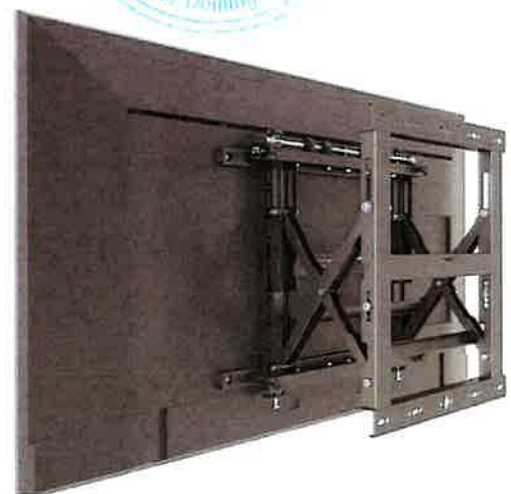
Garantía: Tres (3) años

Link Producto: <https://drive.google.com/file/d/12AdPwQs59UmPCpBj14ZpiV2-pkvoQQSG/view>



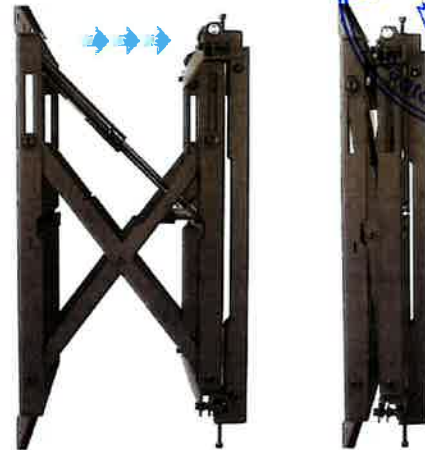
Cree una impresionante pared de video o una pantalla digital pública dinámica con este soporte de TV emergente de calidad comercial. Cuenta con una capacidad de carga de 110 libras y una abertura para un candado opcional, lo que lo convierte en un soporte de TV ideal para cualquier exhibición pública.

Este soporte permite 3 grados de rotación, así como ajustes horizontales y de profundidad para crear una alineación perfecta con las pantallas adyacentes. También cuenta con ranuras laterales para conectar fácilmente múltiples soportes para crear una pared de video más grande.



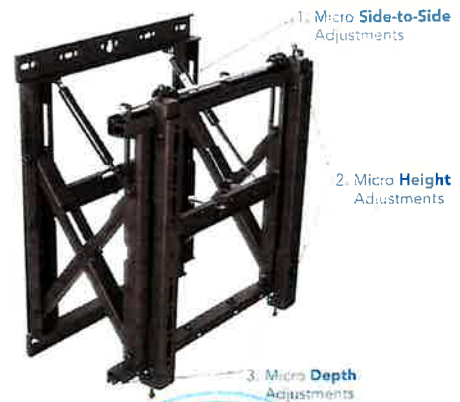
Especificaciones

- ✓ Tamaño de pantalla compatible: 37" a 70"
- ✓ Capacidad de peso: 110 libras
- ✓ Extensión: 4.5" mínimo a 12.2" máximo
- ✓ Patrones de montaje VESA: 200x200 mm, 300x300 mm, 400x200 mm, 400x400 mm, 600x400 mm
- ✓ El paquete incluye montaje en pared, accesorios de instalación e instrucciones de instalación fáciles de seguir



Get your setup just right.

3 ways to adjust your TV's positioning



Ítem 4



Requerido por Cliente: Procesador Video Wall RGB Spectrum 16 x 16, con procesador Intel i7

Ofertado: MX Wall Pro Video Wall Controller, 16x16, Smart-AVI

Modelo: MX Wall Pro

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: <https://smartavi.com/mxwall-pro/>

MXWall-Pro

Solución de video wall y matriz HDMI expandible: enrute 64 fuentes HD de 1080p a 64 pantallas con escalador integrado, almacenamiento y modos de imagen creativa.

Características:

- ✓ Solución completa de hardware
- ✓ Listo para conectar y usar
- ✓ Entradas HDMI ampliables y salidas DVI (hasta 32x32)
- ✓ Resolución de salida de 1080p (1920 x 1080 a 60 Hz)
- ✓ Configuraciones flexibles de pantallas de video wall
- ✓ Uso ininterrumpido confiable las 24 horas, los 7 días de la semana
- ✓ Fácil control y acceso
- ✓ Compatible con HDCP y HDMI 1.4
- ✓ Software MXWall Manager fácil de usar

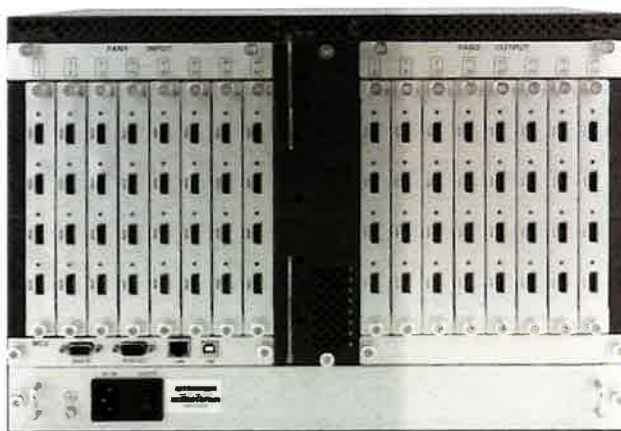
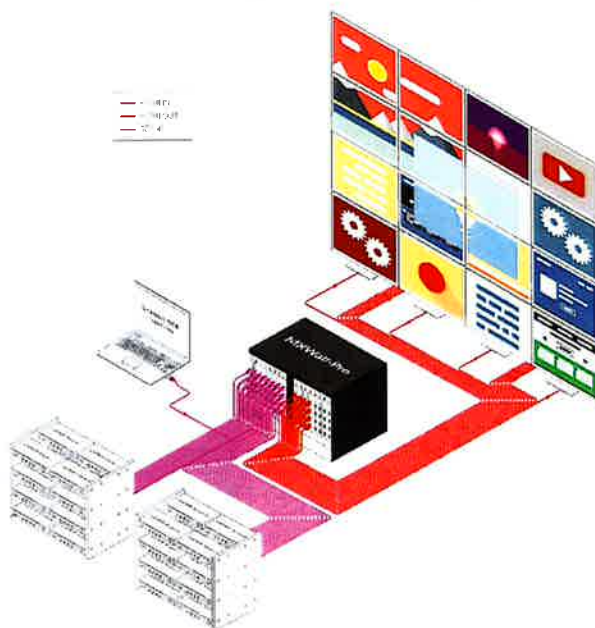




Diagrama de Conexión



Características

VIDEO

Ancho de banda del amplificador de video	3.2G
Señal de video de entrada	Video (TMDS) 0,5-1.0 Vpp
Señal de entrada DDC	5 voltios
Cumplimiento	HDMI 1.4 y HDCP
Tasas de píxeles	Frecuencia de reloj más allá de 165Mpix/segundo
Formato	Formatos de entrada de datos 4:4:4 y 4:2:2
Resolución	480p, 720p, 1080i, 1080p
Formato de tarjeta de entrada	HDMI, DVI
Formato de tarjeta de salida	HDMI, DVI
Ranuras de entrada	Hasta 8 tarjetas (4 entradas cada una)
Ranuras de salida	Hasta 8 tarjetas (4 salidas cada una)
Tipo de video	RGB/YCBCR: 24/30/36 bits, YCBCR: 8/10/12/16/20/24 bits



CONTROLS

Frente	Pantalla de estado con pulsadores
RS-232	9600 bps, flujo de software DB9 hembra
TCP/IP	servidor web, telnet

OTRO

Temperatura de trabajo	0°C-+55°C
Humedad de almacenamiento	10%-90%
Peso	30 libras
Dimensiones	17.125 pulgadas (ancho) x 12 pulgadas (alto) x 12 pulgadas (profundidad)
Fuente de alimentación	50/60 Hz, 100-230 VCA
Consumo	300W

Ítem 5

Requerido por Cliente: Rack de metal.

Ofertado: 12U Wall Mount Rack Enclosure

Modelo: SL-RACK-ST-RK1224WALHM

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: <https://smartavi.com/mxwall-pro/>



Gabinete de rack de servidor de montaje en pared 12U - 19.7 in de profundidad.

- ✓ Ahorre espacio montando en la pared sus servidores o equipos de red
- ✓ Acceso sin problemas con un gabinete con bisagras
- ✓ Instale fácilmente su equipo con rieles de montaje ajustables
- ✓ Asegure su equipo de misión crítica con un recinto cerrado
- ✓ Maximice la compatibilidad cambiando los rieles de montaje entre orificios para tuercas enjauladas cuadradas o orificios roscados de 12 a 24
- ✓ Estante de 1U y brida para cables de velcro incluidos

HARDWARE

- ✓ Opciones de ventilador Cuatro ventiladores opcionales: 120 mm
- ✓ Gabinete cerrado tipo marco
- ✓ Malla de acero de construcción de puerta delantera
- ✓ Características de la puerta delantera Cerradura segura con llave con puerta delantera reversible y extraíble
- ✓ Estándares de la industria EIA/ECA-310-E
- ✓ Tipos de orificios de montaje Cuadrado (para tuerca enjaulada)



Agujero con rosca

- ✓ Perfil de riel de montaje en forma de L
- ✓ Tipo de rack de 4 postes
- ✓ Acero de construcción de puerta trasera
- ✓ Panel lateral Acero de construcción Malla
- ✓ Panel lateral Características de bloqueo de llave seguro con paneles laterales extraíbles
- ✓ Características especiales Rieles de montaje ajustables





- Gestión de cables integrada
- Terminal(es) de puesta a tierra
- Se envía completamente ensamblado
- Marcas U
- Montable en la pared



Ítem 6

Requerido por Cliente Audio Mixer AMP

Ofertado: Audio Mixer AMP

Modelo: DVX-2255HD 6x3

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: https://www.amx.com/en/product_documents/dvx-2255hd-datasheet-pdf

Nuestro Modelo Ofertado Cumple Con las características de Mixer y amp De audio análogo -Digital incluido.

Ver Datasheet adjunto y visitar el Link descrito apartado: características de audio.

Ítem 7

Requerido por Cliente Bocina.

Ofertado: 12U Wall Mount Rack Enclosure

Modelo: Pair Indoor/Outdoor Speaker Set CONTROL, JBL.

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: [https://www.jbl.com/on/demandware.static/-/Sites-masterCatalog_Harman/default/dw8f02d7c8/pdfs/Specification%20Sheet%20-%20Control%20One%20\(English\)-2.pdf](https://www.jbl.com/on/demandware.static/-/Sites-masterCatalog_Harman/default/dw8f02d7c8/pdfs/Specification%20Sheet%20-%20Control%20One%20(English)-2.pdf)



Sistema de altavoces compacto profesional de dos vías

Representando la próxima generación en sistemas de altavoces compactos profesionales de alto rendimiento, el Control® 1 Pro se basa en su orgullosa herencia e incorpora las últimas innovaciones en el diseño de sistemas de altavoces JBL Professional.

Características

- ✓ Manejo de potencia continua de 150 vatios
- ✓ Conductores Profesionales y Red Crossover
- ✓ Soporte de montaje incluido
- ✓ Rendimiento sónico transparente y fiel
- ✓ Transductores blindados magnéticamente
- ✓ Protección contra sobrecarga SonicGuard™
- ✓ Disponible en acabados en blanco o negro





Item 8

Requerido por Cliente Controlador de Cuatro (4) zonas sistema de automatización

Ofertado: Controlador de Cuatro (4) zonas sistema de automatización

Modelo: DVX-2255HD 6x3

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: https://www.amx.com/en/product_documents/dvx-2255hd-datasheet-pdf

Nuestro Modelo Ofertado Cumple Con las características Controlador de (4) zonas sistema de automatización

Ver Datasheet adjunto y visitar el Link descrito apartado: Control y asignación de zonas.

Item 9 y 10

Requerido por Cliente (1) Panel táctil 7" para control sistemas de automatización. - (1) Kit de automatización de sobre mesa.

Ofertado: MT-702 Modero G5 7" Tabletop Touch Panel/Screen AV Control, AMX.

Modelo: MT-702 Modero G5

Cantidad: Uno (1)

Garantía: Tres (3) años

Link Producto: https://www.amx.com/en/site_elements/data-sheet-mt-702

Nota: Nuestra Oferta incluye el kit de montaje

El panel táctil de sobremesa Modero G5 de 7" rediseñado es una interfaz de usuario premium lo suficientemente asequible para usar en cualquier espacio. Diseñado específicamente para el control de salas dedicado, este panel táctil de estilo elegante proporciona animaciones y transiciones rápidas y fluidas, junto con un procesador de cuatro núcleos que proporciona potencia de procesamiento más que suficiente para ejecutar las aplicaciones más exigentes hoy y en el futuro. Modero G5 también incluye un navegador web integrado y visores de documentos, lo que permite a los usuarios acceder a información en tiempo real durante reuniones o conferencias.



Los paneles de control Modero G5 cuentan con capacidad táctil, potente procesamiento Quad-Core y capacidades multitáctiles. El diseño distintivo y de bajo perfil está diseñado para sentarse perfectamente en una mesa sin obstruir las vistas, y viene con una variedad de opciones de montaje para mayor seguridad y comodidad.



Especificaciones

Tamaño de pantalla (WH) Horizontal	7,3" x 4,8" (186 mm x 122 mm), 8,8" (222 mm) en diagonal
Área visible (WH) Paisaje	6,05" x 3,54" (154 mm x 90 mm), 7,0" (178 mm) en diagonal
Resolución	1280x800
Superposición táctil	Capacitivo
Números FG	FG5969-53

Tareas no incluidas

Dentro del alcance de este proyecto no están incluidas tareas adicionales a las listadas anteriormente, en caso de que se requiera realizar una actividad no prevista en lo anterior mencionado.

Consideraciones y premisas

Las obligaciones asumidas por IQtek en esta propuesta de solución tecnológica se refieren únicamente a la entrega de los equipos y productos detallados en esta propuesta.

- Todos los equipos y productos serán entregados de acuerdo con lo especificado por el cliente en el cronograma de entrega.
- IQtek no será responsable de algún incumplimiento de sus obligaciones cuando estas se vean afectadas por causas de fuerza mayor, tales como motines, golpe de estado, guerra o conmoción civil, terremotos, huelgas generales o similares.
- Todos los productos/dispositivos eléctricos deben cumplir con las reglamentaciones vigentes relativas a electricidad y conexiones eléctricas y Leyes vigentes aplicables a la materia.
- Los equipos no deben ser alterados de ninguna manera que pueda ir en contra de dichas reglamentaciones.
- Los equipos deben estar instalados de acuerdo con las instrucciones del fabricante.
- Los equipos deben ser utilizados de la manera que el fabricante lo indique.
- Todas las reglamentaciones, códigos o leyes de seguridad eléctrica deben ser acatados durante la instalación.

Son Responsabilidades de EL CLIENTE

EL CLIENTE nombrará uno o varios "Gerente de Proyecto" que tendrá la autoridad de representarlo en todos los asuntos relacionados con el Servicio objeto de esta Propuesta de Servicios, quien recibirá toda comunicación de IQTEK referida a este Servicio y tendrá la autoridad para actuar a nombre de EL CLIENTE en todos los aspectos de este documento. Si EL CLIENTE remplace a su Gerente de Proyectos, deberá notificar a IQTEK, por escrito, dentro de un plazo no mayor de cinco (5) días, el nombre del sustituto.



Las responsabilidades del Gerente de Proyectos incluirán:

- Servir de intermediario entre el equipo de especialistas de IQtek y los departamentos de EL CLIENTE que participen en este Servicio.
- Administrar el Procedimiento de Control de Cambios del proyecto en conjunto con el Gerente de Proyectos de IQtek.
- Obtener, validar y proveer la información y las aprobaciones necesarias para el Servicio en un plazo máximo de un (1) día laboral, a menos que se acuerde previamente un plazo diferente.
- Ayudar a resolver y escalar los problemas que puedan surgir en la ejecución del Servicio.
- Organizar cualquier reunión pertinente a la ejecución del Servicio.
- Garantizar acceso a sus instalaciones al personal de IQTEK en los centros dentro de los horarios establecidos.
- EL CLIENTE asignará los profesionales, con conocimientos en el área, con suficiente capacidad de acceso a los sistemas y el nivel de autorización adecuado para ejecutar las actividades requeridas en el Servicio, durante el tiempo requerido para la ejecución del Servicio.
- EL CLIENTE es responsable de mantener la confidencialidad sobre las metodologías utilizadas por IQTEK en la prestación de los Servicios.
- EL CLIENTE es responsable de identificar e interpretar cualquier ley local, regulación y/o estatuto que asegure que los productos descritos en el presente documento cumplan con los requerimientos de seguridad.

Son Responsabilidades de IQtek

IQtek designará un Gerente de Proyecto cuyo propósito es establecer los esquemas de comunicación del proyecto, así como definir los reportes, procedimientos y actividades contractuales involucradas en la prestación del servicio. El Representante IQtek tendrá la responsabilidad de atender, administrar y dirigir técnicamente, en representación de IQtek, los requerimientos de EL CLIENTE realizados bajo esta Propuesta de Servicios y coordinar las actividades a realizar, en conjunto con el Representante de EL CLIENTE y deberá:

- Revisar el alcance del trabajo y las responsabilidades de cada Parte con el Representante de EL CLIENTE. Preparar y revisar el plan de trabajo con el representante de EL CLIENTE.
- Coordinar el establecimiento del ambiente del proyecto en conjunto con el representante de EL CLIENTE.
- Ejecutar, en conjunto con el representante de EL CLIENTE, el Procedimiento de Control de Cambio del Proyecto según se requiera.
- Administrar y hacer seguimiento al plan de trabajo, en conjunto con el representante EL CLIENTE.
- Coordinar los lineamientos técnicos y metodológicos para la ejecución del Servicio.
- En caso de actividades planificadas con anticipación o que sean ejecutadas en horas laborales de EL CLIENTE, IQtek deberá solicitar a EL CLIENTE la autorización para que el personal de IQtek ejecute las actividades correspondientes en el equipo.
- Dirigir las reuniones de revisión del Servicio, en conjunto con el representante de EL CLIENTE.
- Proveer el personal técnico especializado que realizará las actividades requeridas por EL CLIENTE.
- Corroborar el cumplimiento de lo establecido en el documento Scope of Works.
- Mantener en buen estado las instalaciones de oficina y los equipos suministrados por EL CLIENTE.

- Reportar los problemas encontrados en la instalación de los equipos al personal de EL CLIENTE.
- Suministrar la documentación necesaria para la declaración de culminación de las diferentes actividades. Mantener la confidencialidad de la información suministrada por EL CLIENTE para la ejecución de los Servicios incluidos en esta Propuesta de Servicios.
- Cualquier otra actividad a cargo de IQtek descrita en el presente documento.



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Forma de Pago

Pago del 100% a crédito de treinta (30) días, luego de emitida la certificación de recepción conforme.

Validez de la oferta

Nuestra oferta permanecerá vigente por un tiempo de sesenta (60) días hábiles contados a partir de la entrega de esta propuesta.

Tiempo de Entrega

35 a 40 días luego de la firma del contrato.

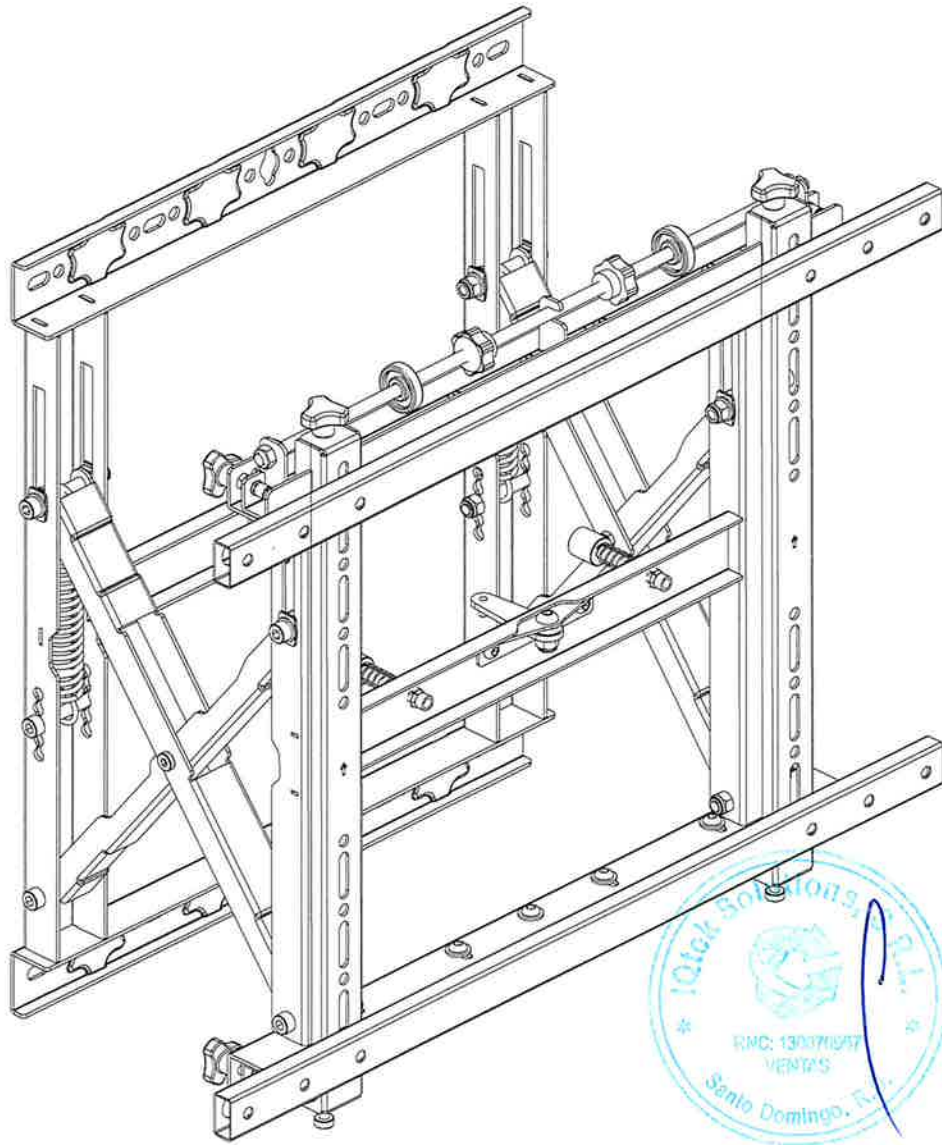
Franklyn Geovanny Ciprian Goodin, en Calidad de Representante Legal, debidamente autorizado para actuar en nombre y representante de IQtek Solutions, S.R.L

Firma



Modular Video Wall System

with Push-to-Pop-out and Anti-Theft Features



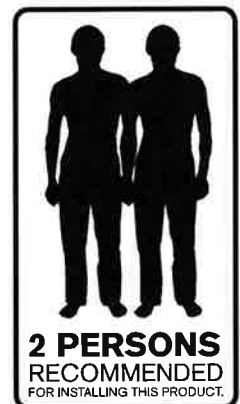
User's Manual

⚠ WARNING

- Be sure to read this entire manual thoroughly and you fully understand all the instructions and warning before attempting to begin your installation.
- This products should only be installed by someone who has a basic knowledge of building constructio installations and fully undestnd these instrudtions.
- Always have someone assit you to lift and position your equipment.
- Tighten screws and bolts firmly, but do not over tighten. Over tightening can damage the item and greatly reduce their ability to hold.Please refer to suggested torque values where applicable in these instructions.

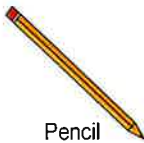
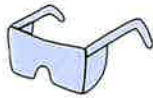
Maximum Flat-panel Weight: **50 kg**

THE WALL STRUCTURE MUST BE CAPABLE OF SUPPORTING AT LEAST FIVE TIMES THE WEIGHT OF THE FALT-PANEL. IF NOT, THE WALL STRUCTURE MUST BE REINFORCED.

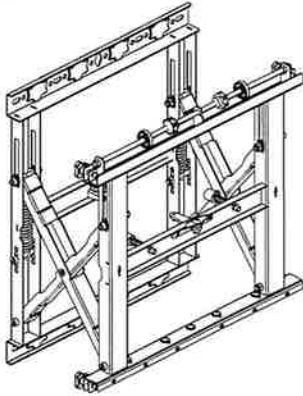


Installation Tools

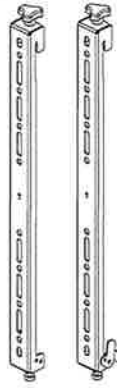
The following tools may be required depending on your installation.

 Electronic Stud Finder	 Pencil	 Protective Eyewear	 Portable Drill	 1/4" Drill Bit
 Level	 1/2" Socket	 Head Screwdriver	 Socket Wrench	

Parts List

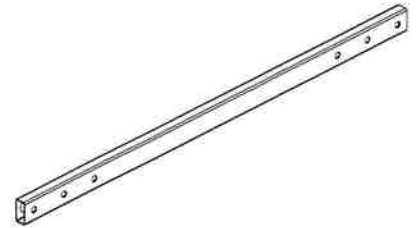


One-Latch Mounting Base -AA (Qty 1)



(Qty 1 Each)

Left and Right Mounting Bracket-BB



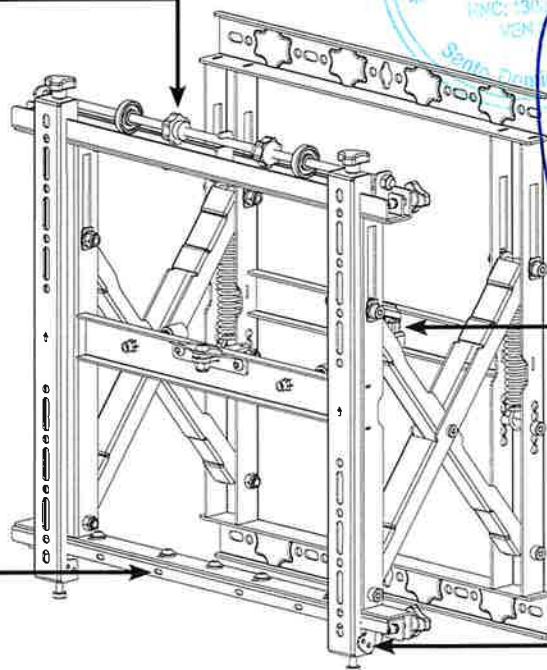
600mmX400mm adaptor-CC (Qty 2)

A	B	C	D	E
 M5 x 16mm Screw (Qty 4)	 M5 x 30mm Screw (Qty 4)	 M6 x 16mm Screw (Qty 4)	 M6 x 30mm Screw (Qty 4)	 M8 x 16mm Screw (Qty 4)
F	G	H	I	J
 M8 x 30mm Screw (Qty 4)	 M8 x 50mm Screw (Qty 4)	 16x6.2x1.5 Metal washer (Qty 4)	 13x8.2x5 Spacer (Qty 8)	 5mm Allen Key (Qty 1)
K	L	M	N	O
 16x8.2x1.5 Metal washer (Qty 6)	 8*70 Lag Bolt (Qty 6)	 Anchor (Qty 6)	 13x8.2x13 Spacer (Qty 8)	 M8 x 15mm Screw (Qty 4) (Installed)

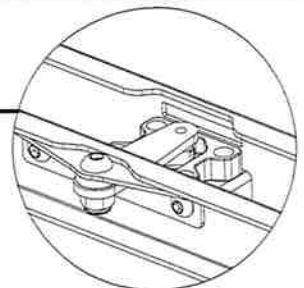
Features

Video Wall Pop-Out Module is a customizable video wall mounting system featuring multi-monitor stacking, open design, and scissor mount extension. It has an extending scissor mount for easy installation, cable management and servicing.

Post-Installation Adjustments
Leveling, tilt and in-out adjustment knobs make it easier than ever to flush and level the flat-panels for a seamless video wall.



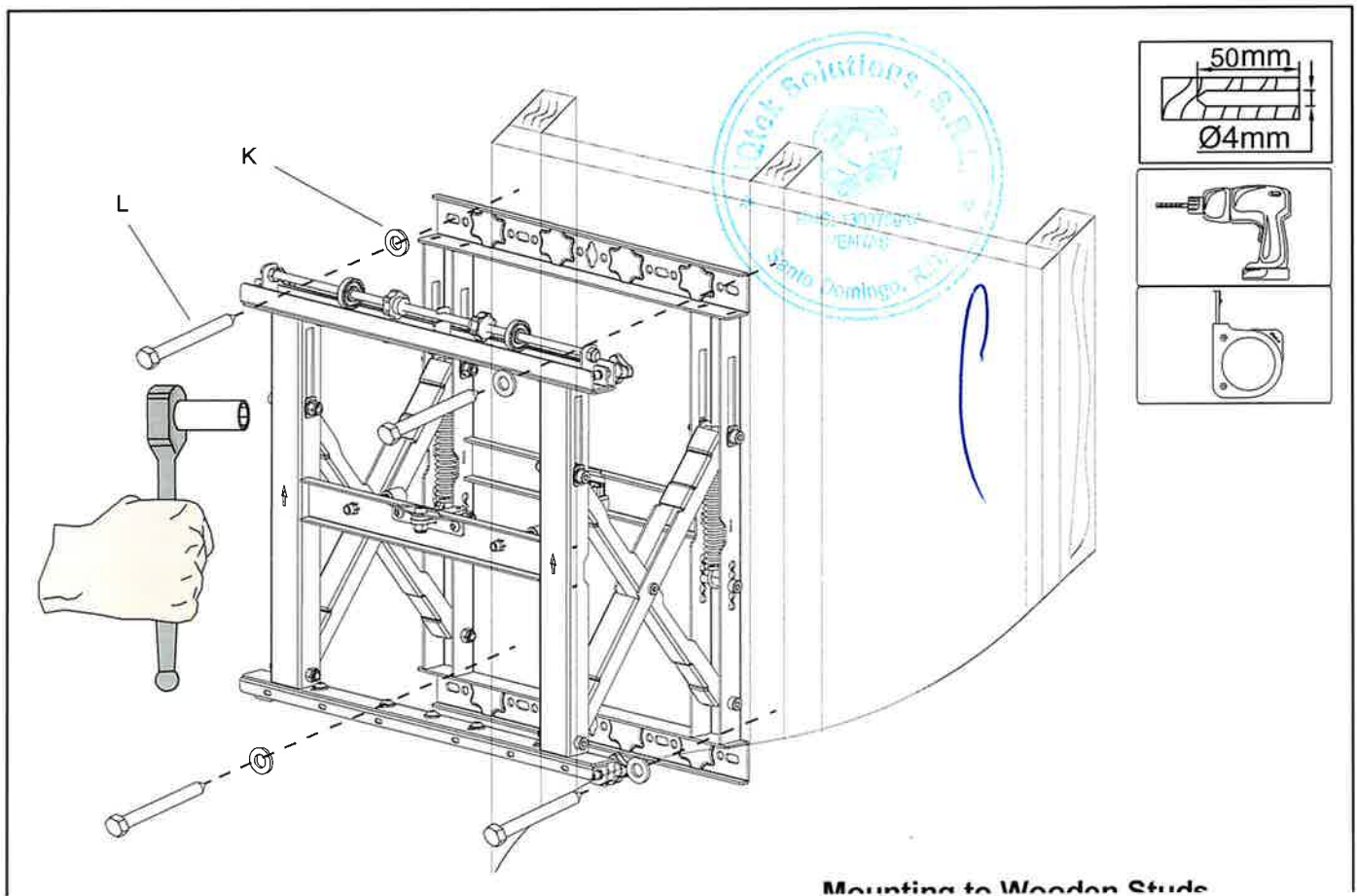
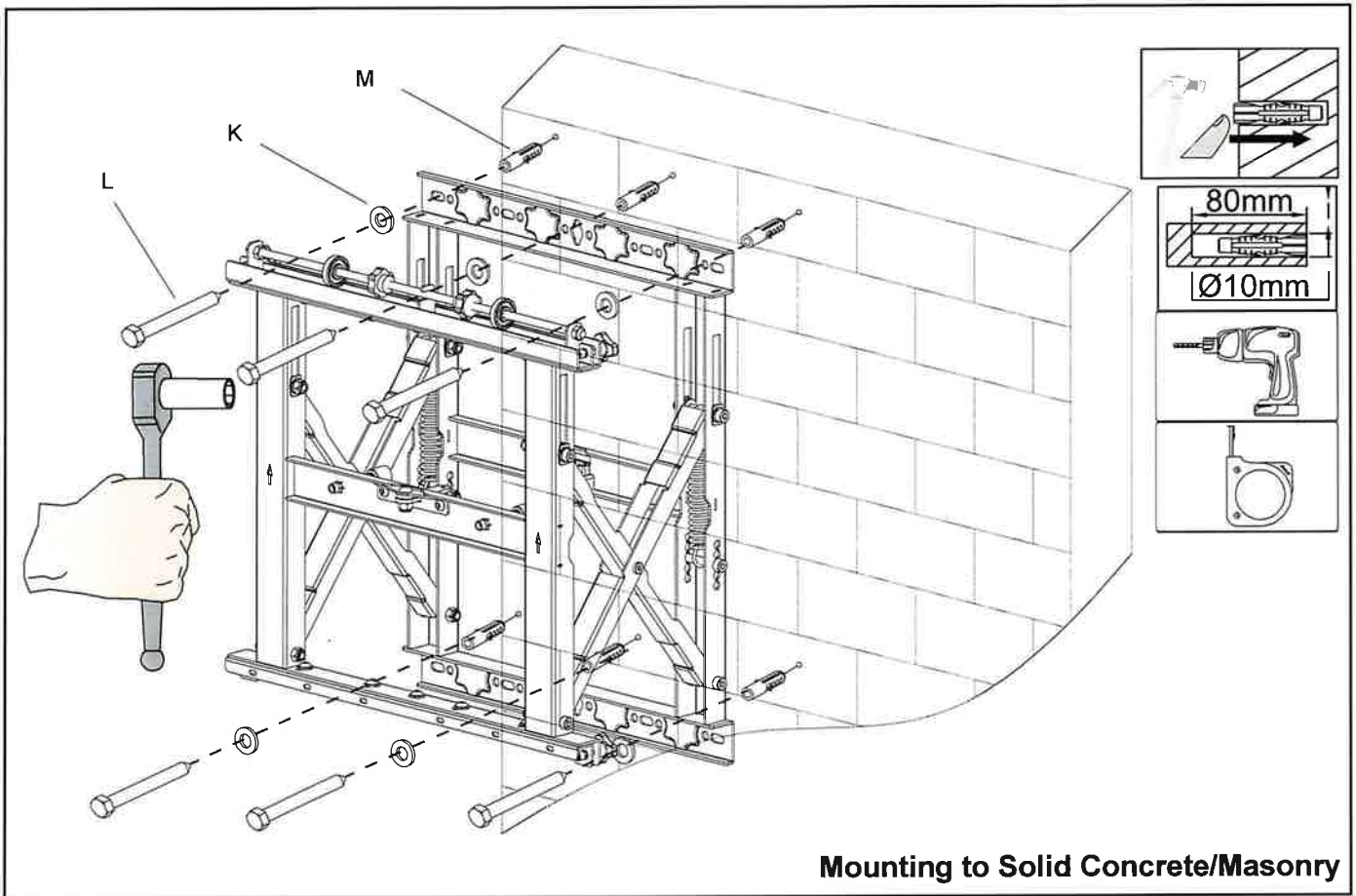
Spring Lock
Simply push the mounting rails in to lock or unlock the mount from the closed position.



Cable/Electrical Access
Allows for easy cable access and power distribution installations.

Locking Safety Screws
Prevent the flat-panel from being removed or dislodged from the mount. Use for added protection.

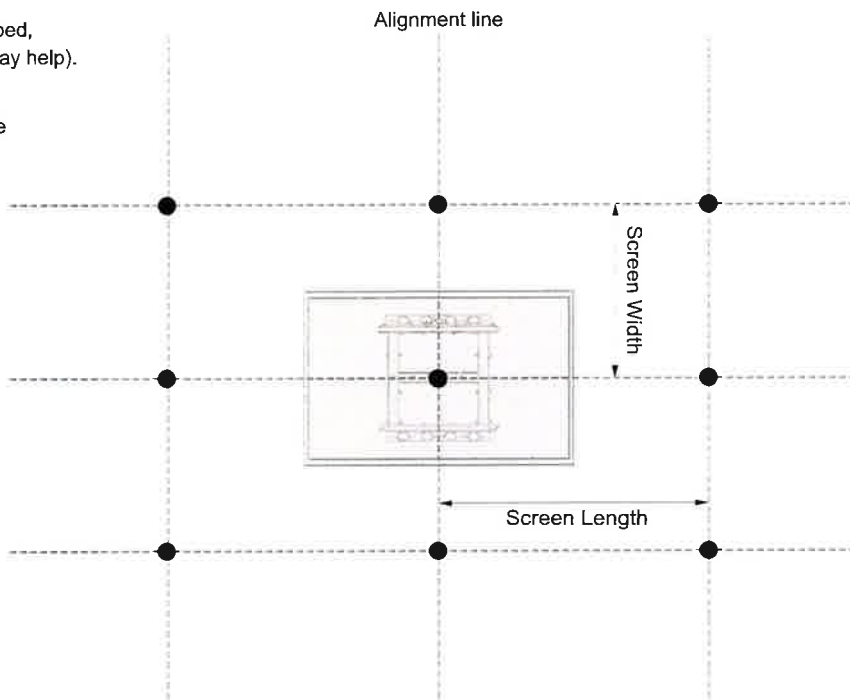
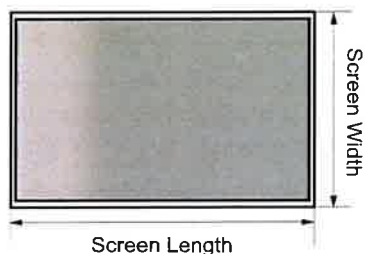
Installation



Installing the Mounting Brackets

After you have mounted the first bracket as described, draw a horizontal line (the use of a laser leveller may help).

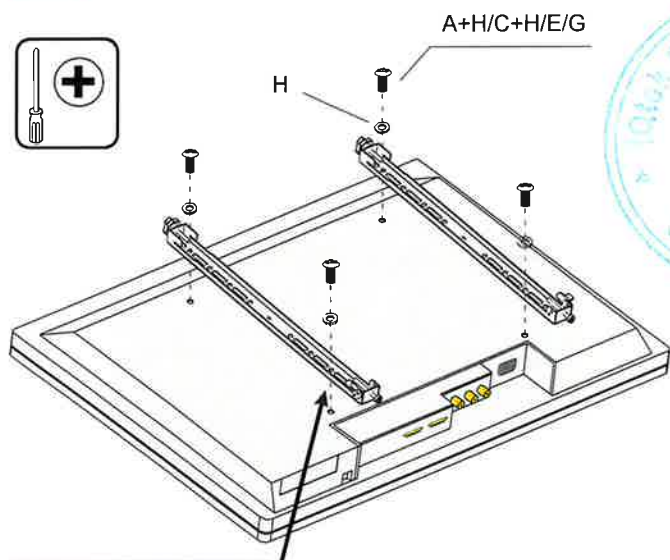
You can place the second bracket by tape measure proceed in this way with the other brackets.



Installing the Mounting Brackets



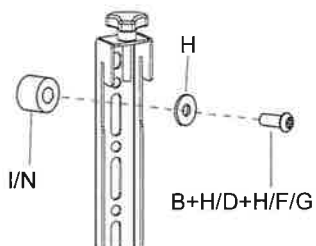
VESA (Horizontal): 100*100~400*400



*For screen with a hole pattern in a pocket, spacer go between Assembly Adapter Plate and screen.

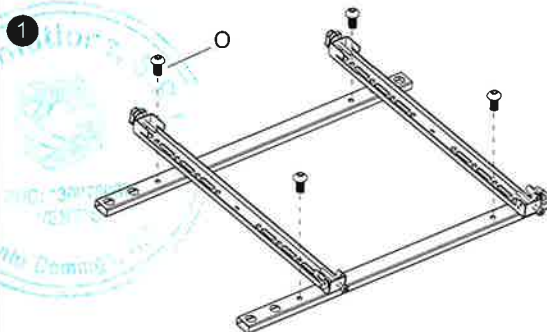


Spacer



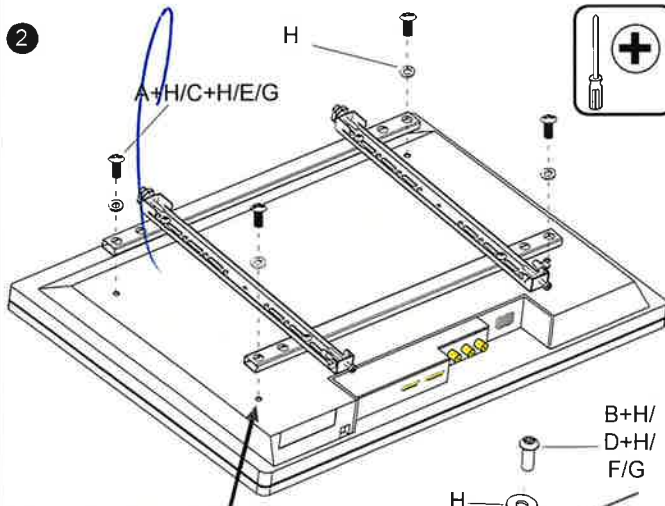
VESA (Horizontal): 500*400~600*400

1



5mm

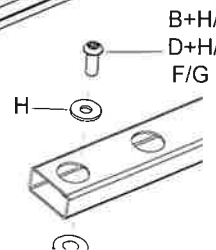
2

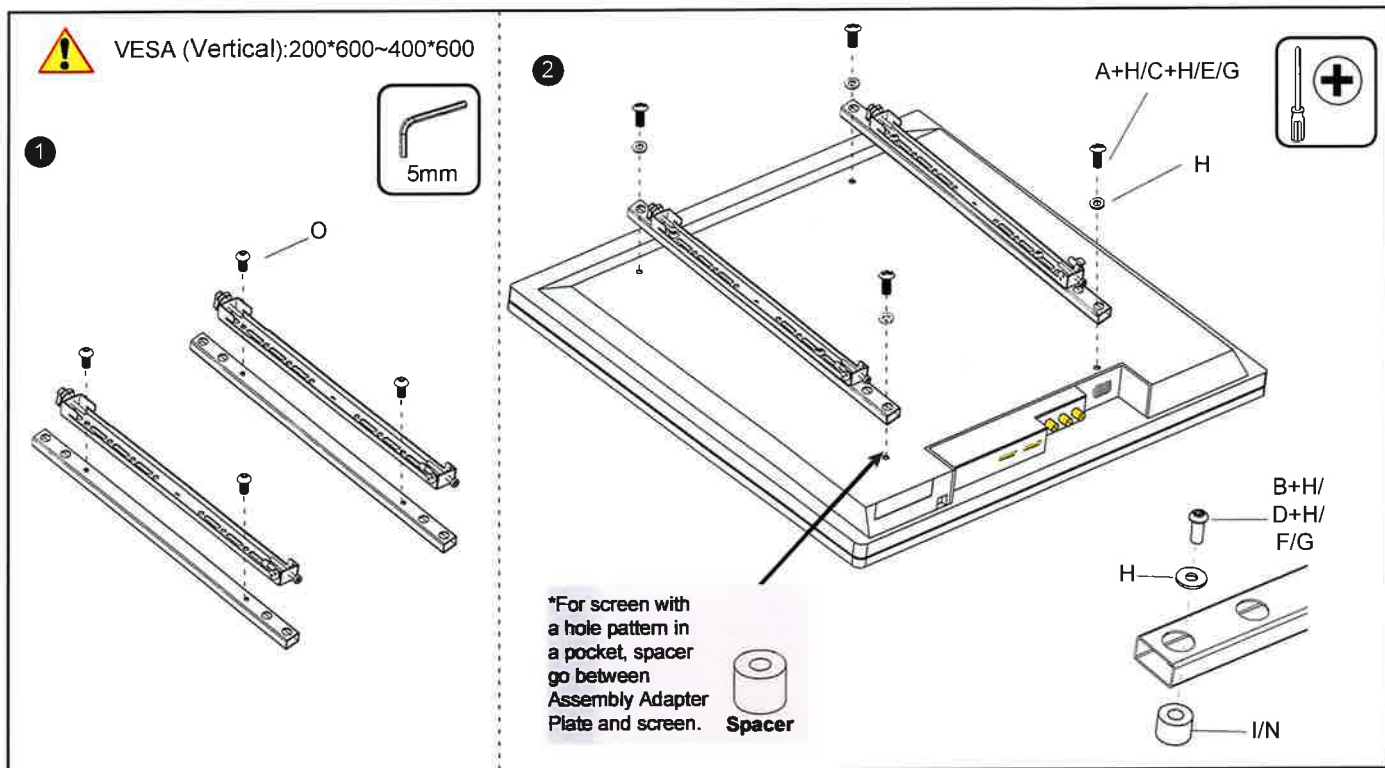


*For screen with a hole pattern in a pocket, spacer go between Assembly Adapter Plate and screen.

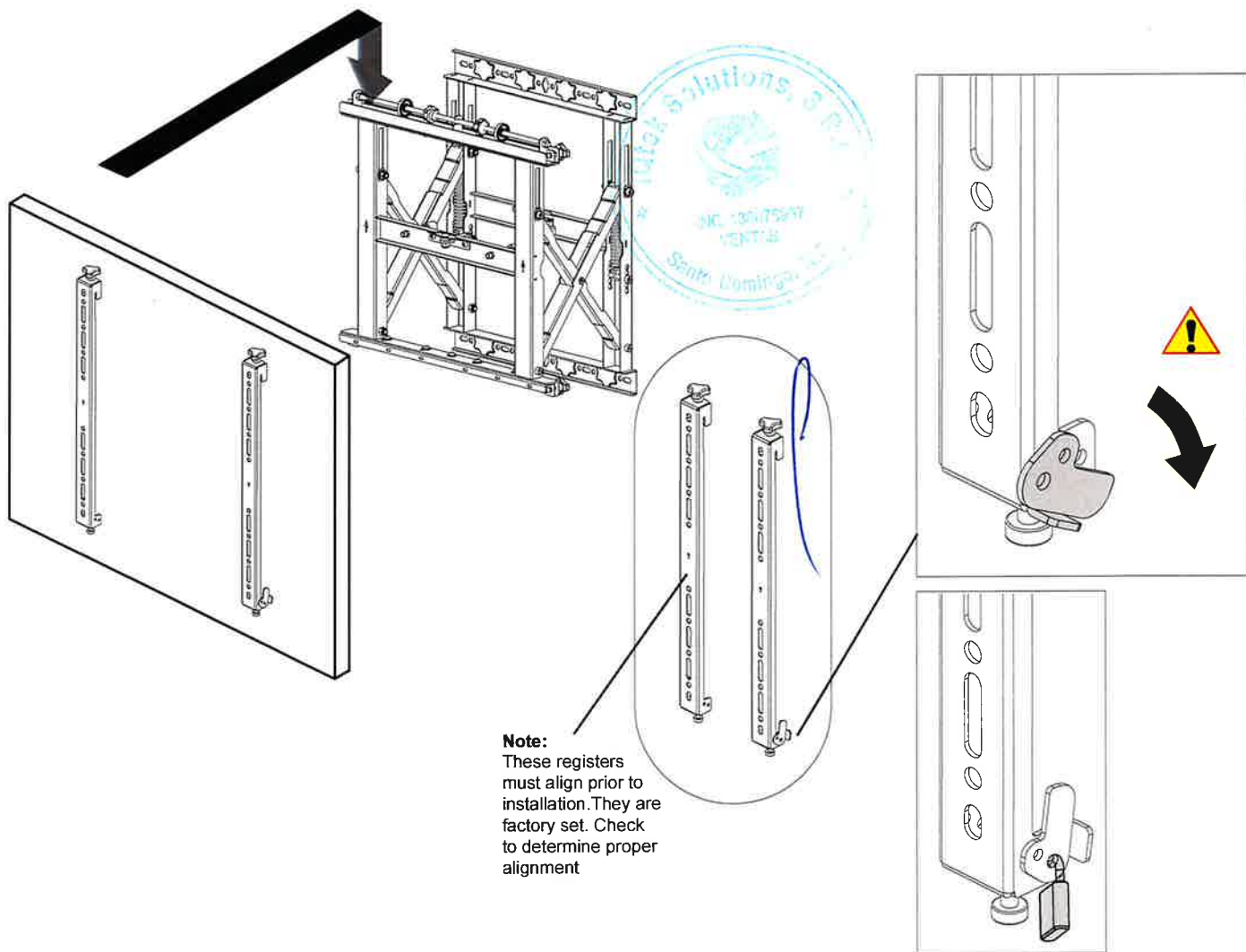


Spacer



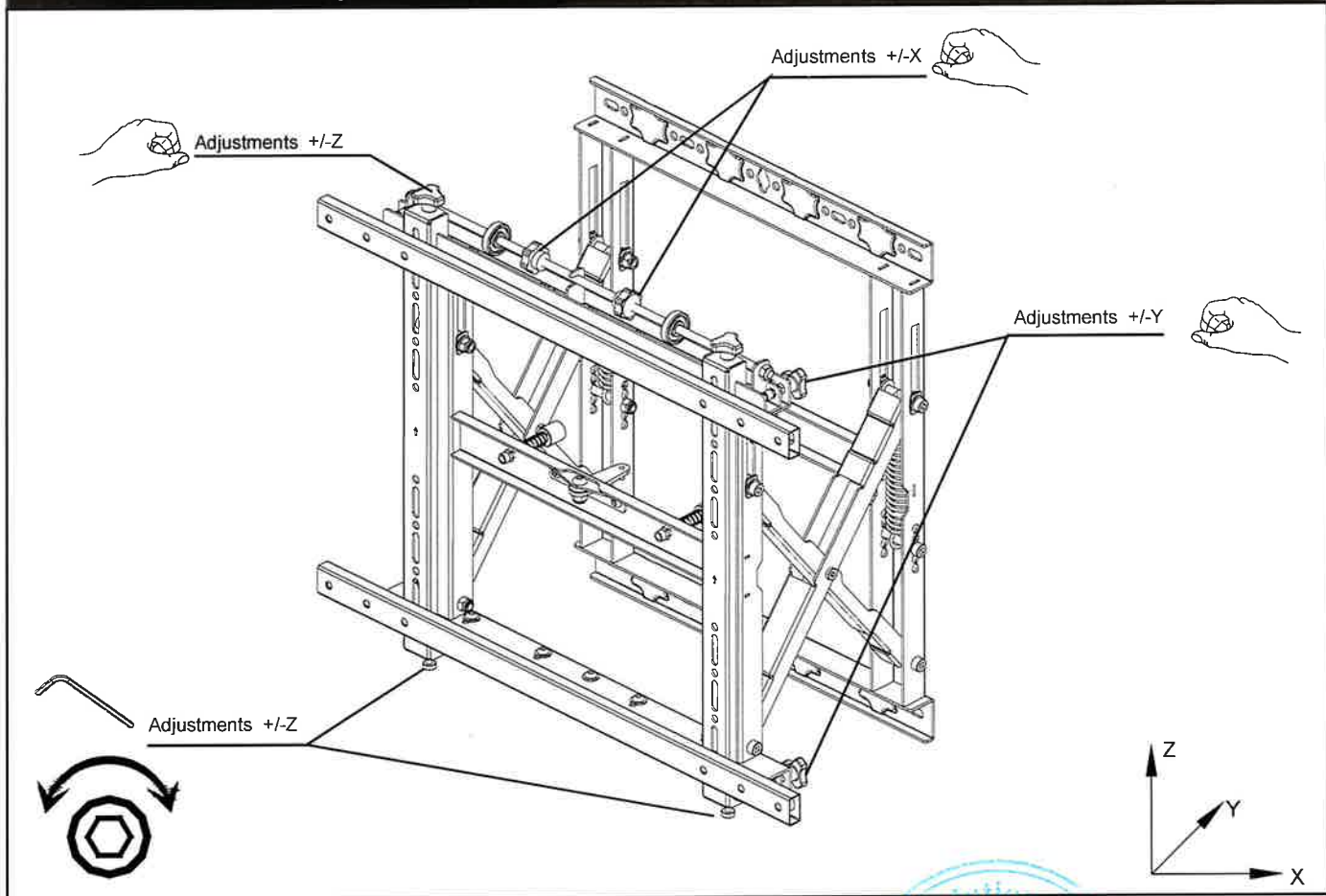


Mounting the Flat-Panel

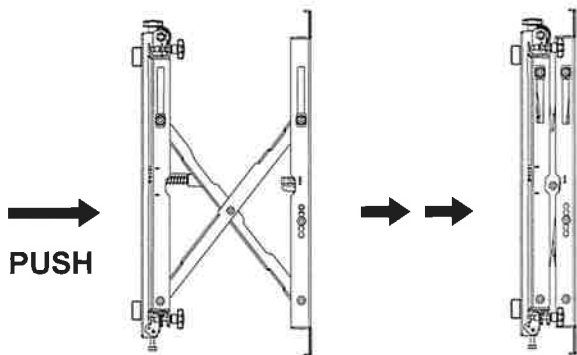


Locks not included(accessory)

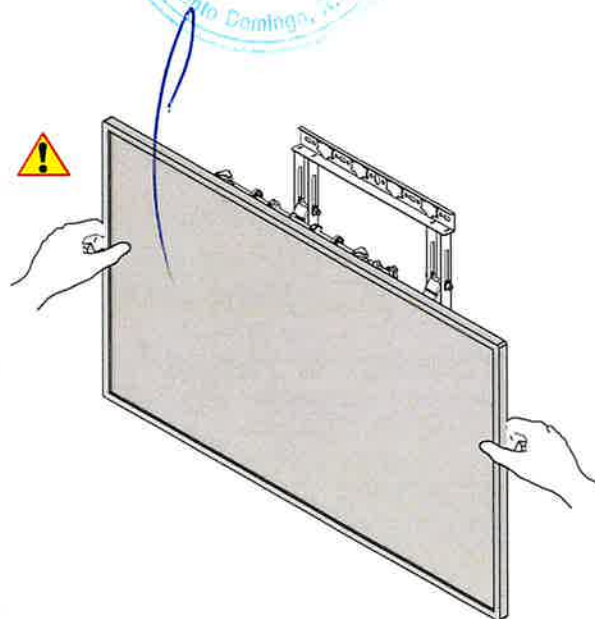
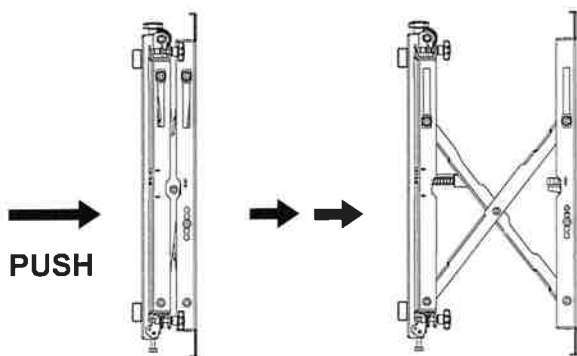
Post-Installation Adjustments



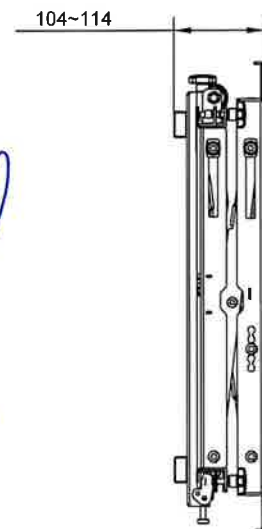
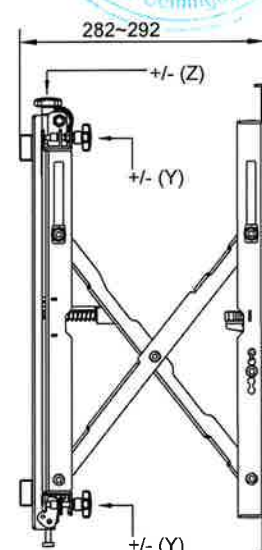
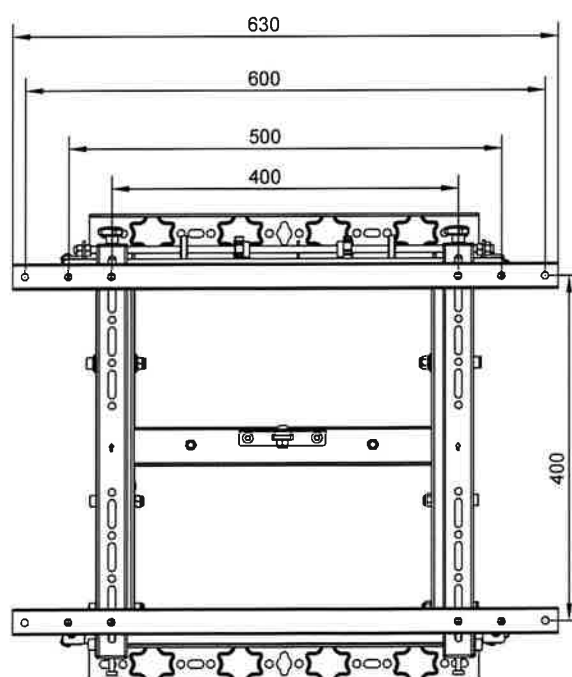
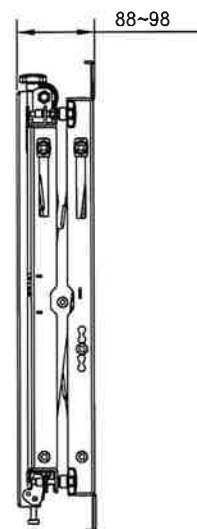
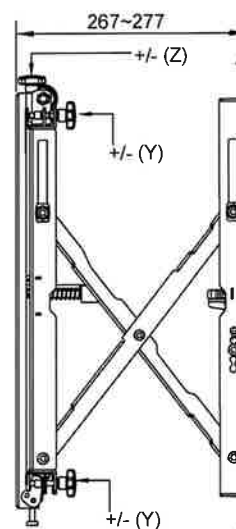
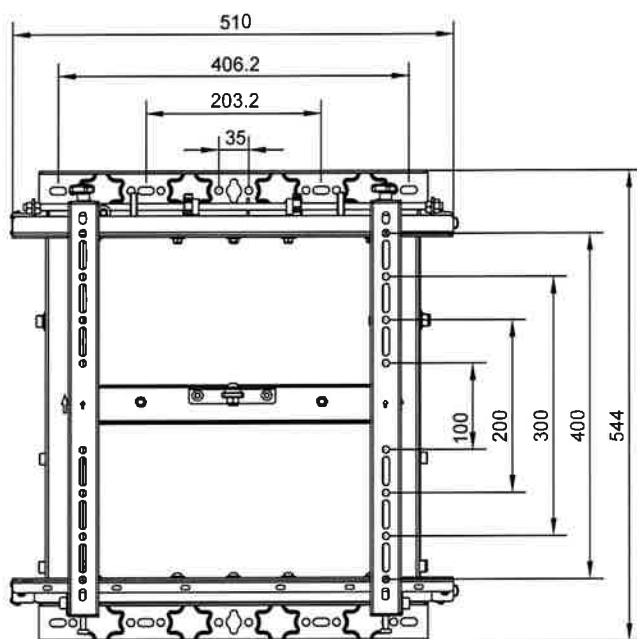
Move Inward



Move outward



Technical Specifications





Samsung Video Wall Displays

VHR-R, VHT-E, VMT-E, VMT-U series

Always-on, space-saving solution delivering a seamless visual experience

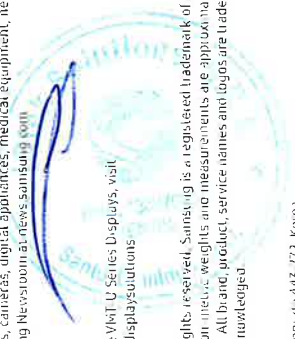
SAMSUNG

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RT Signage

re information about Samsung SMART Signage VMT-U Series Displays, visit samsung.com/business or www.samsung.com/displaysolutions



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aetion 3 dong, Yeungtong-gu, Suwon-si, Gyeonggi-do 445-712, Korea

SAMSUNG

immersive viewing experience for any business

Samsung's VHR-R, VHT-E, VMT-E, VMT-U series video wall displays provide a captivating viewing experience for a wide variety of business settings. The displays' exceptionally slim depth, continuous operation capability and IPSX certification provide endless possibilities for retail stores, office spaces, public spaces and more. Built to operate all day, Samsung's video walls ensure businesses have an effective communication channel, even after traditional business hours. With wide viewing angles and special anti-glare panels Samsung's video wall display demands attention, even with bright ambient lighting, ensuring every word and image is as legible as it is impressive.

Why use Samsung's video wall displays for your business?

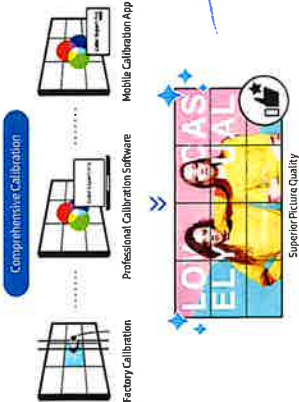


Fit for Any Environment

The displays' slim depth gives businesses ultimate flexibility in creating a video wall that is perfectly suited to their needs and can be implemented in any location. IPSX certification ensures the display is completely dust resistant and can deliver a dependable viewing experience in a wide range of conditions. It also allows for video wall installation in public spaces without the need for additional dust-resistant molding.

Flawless uniformity

To ensure outstanding picture quality, all Samsung video wall displays are fine-tuned with a strict multi-step calibration process. Users may also adjust detailed settings to suit their individual needs using Samsung's free powerful software, Color Expert Pro. For businesses needing a simpler solution, Color Expert Pro Mobile makes for quick and easy calibration using a mobile device camera.



Vivid viewing in any location

Samsung video walls feature wide viewing angles allowing viewers to see vivid content from any position. It eliminates potential distortion, ensuring colors, logos, fonts and messages are aligned with business' brand guidelines. Additionally, special anti-glare panels maintain vibrant and accurate visuals, preventing any disruption from bright lights, sunlight or glare any time of the day or night.



Samsung's lineup of video wall displays

Every business has different needs, which is why Samsung provides a range of video wall options with various levels of brightness, bezel widths and cabinet depths. Every one of our video wall models are guaranteed to deliver the vivid picture quality and reliable performance Samsung is known for. Additionally, all of our displays are easy to install, further reducing complexity for business owners.

Advanced		Essentials	
Razor narrow bezel		Extreme narrow bezel	
Ultra narrow bezel			
 VHR-R Series	 VHT-E Series	 VMT-E Series	 VMT-U Series
 Series			
 B-to-B Width	0.88mm	1.8mm	1.8mm
 Brightness	700 nit	700 nit	500 nit
 Depth	69.9mm	70mm	70mm
 Viewing Angle (Vertical / Horizontal)	178° / 178°	178° / 178°	178° / 178°
 Calibration	PC & Mobile supported	PC & Mobile supported	PC & Mobile supported
 Other Keywords	IP5X ISTA-6A	IP5X ISTA-6A	IP5X ISTA-6A CenterIR



Private audiences through a narrow Bezel

A narrow 0.88mm* bezel-to-bezel design creates an uninterrupted visual experience across multiple screens. Minimizing the distraction of the screens themselves, the displays present a uniform picture that captures attention and keeps viewers ad on featured messages.

* bezel-to-bezel, 0.88mm

Adaptable slender design

The exceptionally thin 69.9MM* cabinet depth provides businesses with more flexibility to create the exact video wall they need and install it in the most impactful location. The thoughtful design blends in seamlessly and transforms any location with powerful visuals.

* cabinet depth, 69.9mm



View content from any angle

Viewing angles mean content is easily visible even if viewers aren't standing directly in front of the display. Audiences can get clear views and vivid colors regardless of where the screen is located.



Content images in any light

Panel panels evenly distribute light across the screen to maintain vibrant and accurate content. Combined with a high contrast and 24/7 operation, visuals are vivid and eye-catching any time of the day or night — regardless of ambient light.

Image enhancement

Samsung's powerful picture enhancement technology ensures all content is vibrant and clear. With Picture Enhancer mode, color saturation and contrast are improved by adjusting the gamma curve. Using Black Equalizer mode, dark images are lightened, making details easier to see.



Comprehensive calibration

Multi-step factory calibration process tunes video walls to uniform brightness and color throughout multiple displays. In addition to rigorous factory calibration, users can also manage brightness and color uniformity with Samsung's Color Expert Pro, a powerful free software program.

Convenient mobile calibration

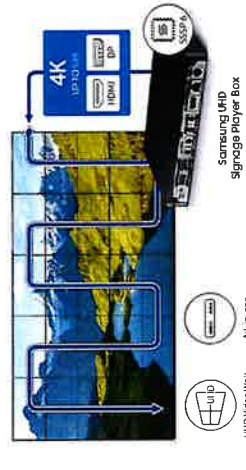
For users who seek quick and simple video wall settings, Samsung's Color Expert Pro Mobile enables an easy video wall calibration using a mobile camera. With the solution's intuitive UI, even non-expert users can adjust up to 5x5 video wall's white balance simultaneously without the need for additional equipment.



Built durable and user-friendly

IP5X certified, Samsung video walls are dust-resistant and able to withstand a range of environmental conditions without needing to prepare additional enclosure in dusty places. An embedded, centrally located infrared receiver (IR)* allows for easier and more flexible user control.

* centrally located IR receiver, by the level of dust intake



Advanced presentation, simplified operation

Utilizing daisy chain design through DisplayPort 1.2 or HDMI ports enable Samsung video wall displays to present UHD content on multiple screens without an external graphic card. Samsung's UHD Signage Player Box streamlines functionality by combining the media player and content management software.



Industry standard certified

Samsung's video wall displays are EMC class B compliant*, which ensures a safe viewing environment by meeting strict standards of electromagnetic wave emission. The display packaging also underwent a rigorous ISTA lab 4-step test and is designed to minimize possible damage during delivery.

* EMC Class B, by the level of dust intake

Business applications



Showroom



Lobby



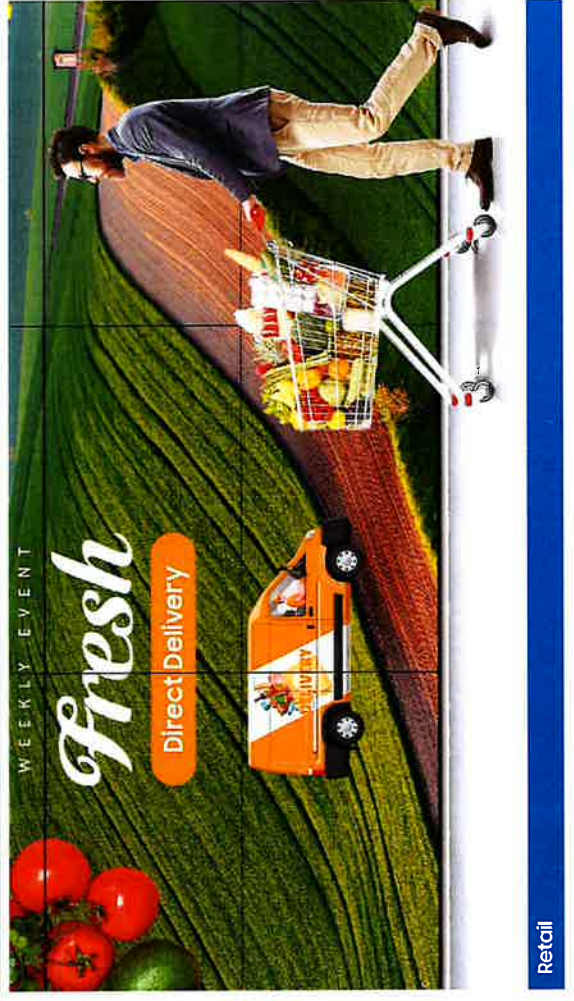
Meeting room



Control room



Museum



Retail

MXWall-Pro

User Manual

Route Up to 64 sources to as many as 64 HD displays



**All-in-one HD Switch / Converter / Scaler for
Video Walls and Signage Displays**



Smart-AVI
SMART AUDIO VIDEO INNOVATION

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WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
MXWALLPRO-1	1	MXWall: HDMI Video Wall Controller.
CCPWR06	1	Power supply cord
Manual	1	Quick Start Guide

MODELS	
MXWALLPRO-1	4X4
	8X8
	12X12
	16X16

OR

PART NO.	QTY	DESCRIPTION
MXWALLPRO-2	1	MXWall: HDMI, HDMI Video Wall Controller.
CCPWR06	1	Power supply cord
Manual	1	Quick Start Guide

MODELS	
MXWALLPRO-2	4X4
	8X8
	12X12
	16X16
	32X32
	64x64

INTRODUCTION

The MXWall-Pro is an enhanced and fully scalable video wall controller. The MXWall-Pro combines switching with the high definition capabilities of a converter. Specifically designed and optimized for the most demanding environments and applications, the MXWall-Pro lets users manage and route up to 64 HDMI video sources to as many as 64 HD displays. Capable of expanding any one HD signal to as many as 4 to 64 large-scale screens at 1080p (1920x1080 @ 60Hz). Completely compatible with HDCP and HDMI 1.4, the MXWall-Pro reliably transmits HD content across scalable display configurations in real-time for 24/7 uninterrupted use via HDMI outputs.

FEATURES

- Android companion application for quick switching of layouts from your mobile device.
- Complete hardware solution
- Plug-and-play ready
- Expandable up to 64 HDMI inputs
- Up to 64 HDMI outputs
- Output resolution up to 1080p
- Reliable 24/7 uninterrupted heavy duty use
- HDCP and HDMI 1.4 compliant
- User-Friendly MXWall Manager Software

APPLICATIONS

- Corporate or Educational Presentations
- Airport Installations
- Wall Displays
- Digital Signage
- Dealer Rooms
- Control Rooms
- Shopping Centers
- Security
- Point-of-Sale
- Entertainment Venues
- Corporate Lobbies
- Restaurants



TECHNICAL SPECIFICATIONS

VIDEO	
Video Amplifier Bandwidth	3.2G
Input Video Signal	Video (TMDS) 0.5~1.0Vpp
Input DDC Signal	5 volts
Compliances	HDMI 1.4 and HDCP
Pixel Rates	Clock frequency beyond 165Mpix/second
Format	4:4:4 and 4:2:2 data input formats
Input Resolution	480p, 720p, 1080i, 1080p
Output Resolution	Up to 1080p (1920X1080@60Hz)
Input Card Format	HDMI
Output Card Format	HDMI
Input Slots	Up to 16 cards of 4 HDMI input each
Output Slots	Up to 16 cards of 4 DVI output each
Video Type	RGB/YCBCR : 24/30/36-bits,YCBCR: 8/10/12/16/20/24-bits
CONTROLS	
Front	2x8 keyboard with 4x40 LCD
RS-232	DB9 Female, 115200 BPS, N, 8, 1, No flow control
LAN	RJ45, UDP
OTHER	
Working Temp.	32 to 122 °F (0 to 50 °C)
Working Humidity	Up to 85% RH (no condensation)
Storage Temp.	-4 to 149 °F (-20 to 65 °C)
Storage Humidity	Up to 90% RH (no condensation)
Weight	54 lbs. (32X32 configuration)
Dimensions	17.5"W X 12.75"H X 16.5"D
Power Supply	50/60Hz, 100~230 VAC



HARDWARE INSTALLATION

1. Position MXWall-Pro conveniently and keep it unplugged.
2. Connect DVI output cables between the MXWall-Pro and your video wall screens.
3. Connect any inputs to the MXWall-Pro.
4. Optionally connect an RS-232 cable from PC to the RS-232 port of the unit for additional control.
5. Optionally connect an Ethernet cable to the MXWall-Pro for additional control.
6. Turn on the MXWall-Pro and wait a few seconds for the unit to initialize.

Smart-AM
MXWall-Pro

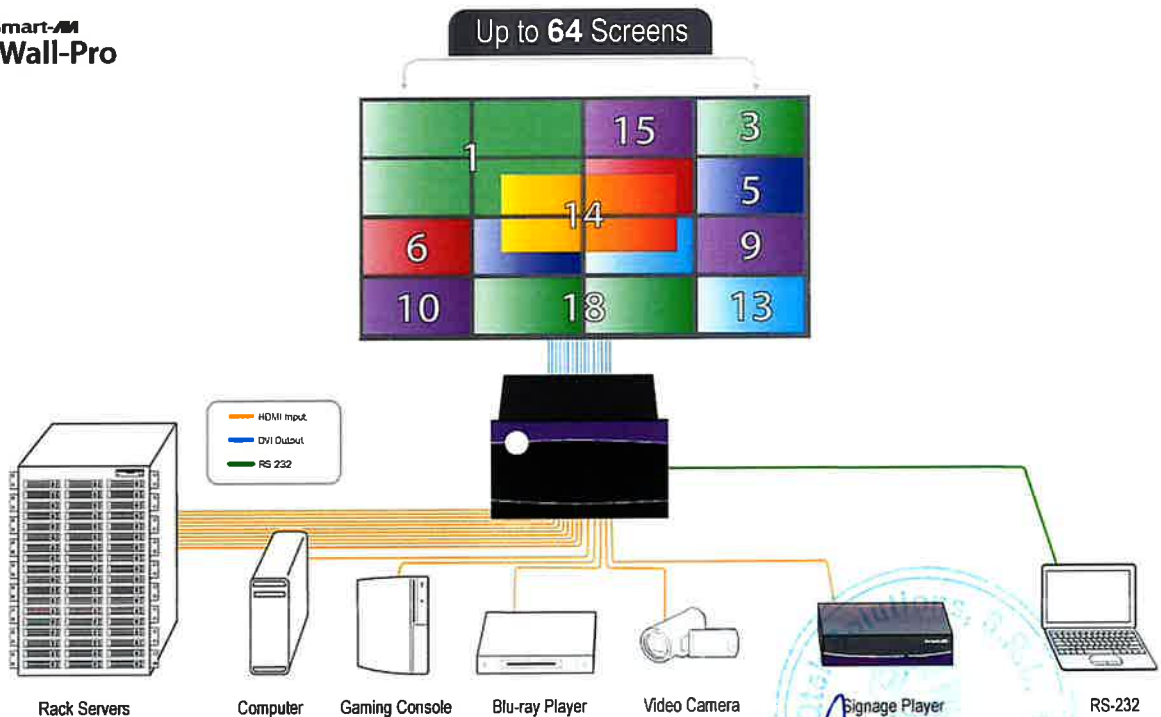


Figure 5-1

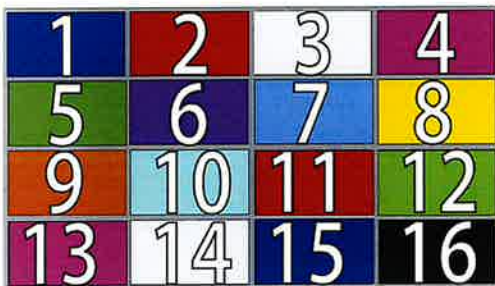


MULTIPLE CONFIGURATIONS

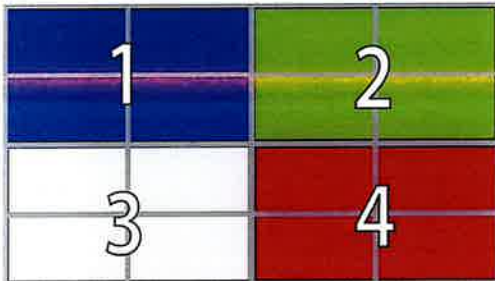
There are multiple configurations or modes that are easy to navigate through with the MXWall-Pro. Switching between the display modes is simple. Front panel buttons, on-screen-display, RS-232, and TCP/IP can be used to switch between modes at will.



VIDEO WALL MODE: Users can stretch the input image across 4 to 64 HD screens with screen resolution of 1920x1080.



INDIVIDUAL MODE: Users can route individual input images to each display individually.



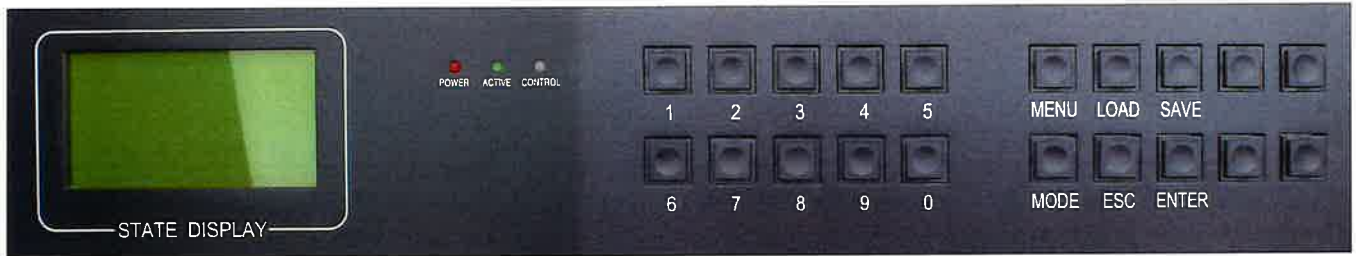
QUAD MODE: Split each individual screen into four proportional sections, each displaying one of any 64 input images.

User defined custom displays can be created with supplied software: Users can populate individual screens with multiple inputs. Add any of the 64 input signals to play along side others within a single display.



FRONT PANEL CONTROLS

The front panel of the MXWall-Pro allows you to quickly set up IP address, Baud Rate, and control input and outputs.



Press the “Menu” button, and a Menu of items will appear in the green screen. You can use the buttons on the far right to go up or down or simply press the number next to the option you want.



Baud: Option 1 will allow you to set the BAUD rate. You will have four options. Simply press the button with of the BUAD rate located to the left or navigate using the two far right buttons. Press “Enter” once the Baud Rate has been selected.

Mch ID: Option 2 lets you control multiple video walls through 1 computer.

IP Addr: Option 3 will allow you to set your IP address. Once inside IP you will see two options: Press 2, Then the “Mode” button to enter your IP address manually using the number buttons on the front panel. Once you have input your IP address press the “Enter” button and the “Save” button.



Buzz: Option 4 allows you to turn the Buzzer ON or OFF.

MPort: Option 5 allows you to set your port. Simply use the buttons located on the panel. Then hit “enter” and “Save”

IMPORTANT: These settings must match what you use in the MXWall Pro software. If you use the default settings or custom settings make a note of them so you can enter them into the MXWall Pro software settings during software install.

SOFTWARE INSTALLATION

1. Run setup.exe (Provided with the MXWallProInstaller software)
2. A Setup window will pop open. Click 'Next >' to continue (Figure 8-1). Subsequently select where you would like to save MxWallPro and who the users will be and click 'Next >'. (Figure 8-2)
3. You will be asked to confirm the installation. Click 'Next>' to continue. (Figure 8-3)
4. Your System may ask if its ok for the installer to make changes to your computer. Click the Yes button to continue. (Figure 8-4)
5. When the installation is complete a window will appear stating whether the installation was successful or not. Click the Close button to exit. (Figure 8-5)
6. Execute the MXWallPro.exe shortcut to start the MXWall Pro software. (Figure 8-6)

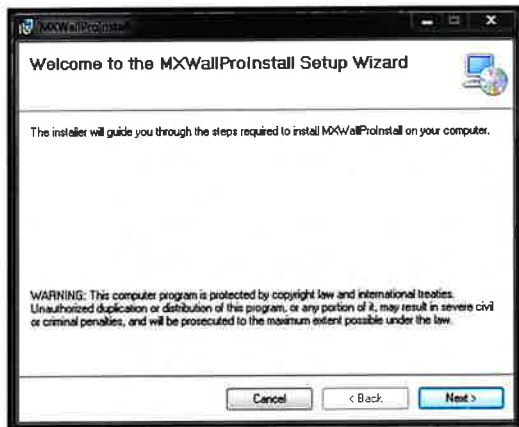


Figure 8-1

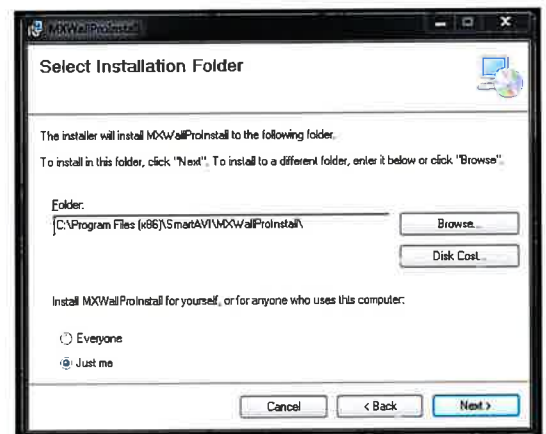


Figure 8-2

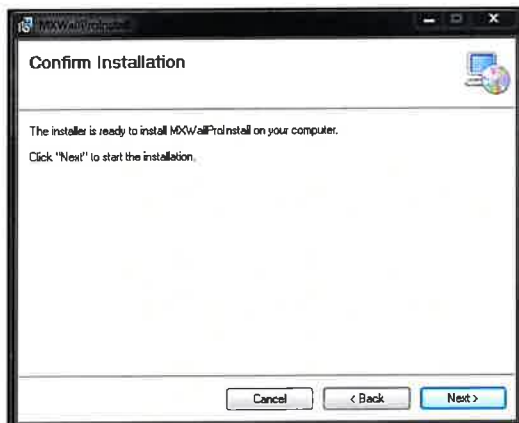


Figure 8-3

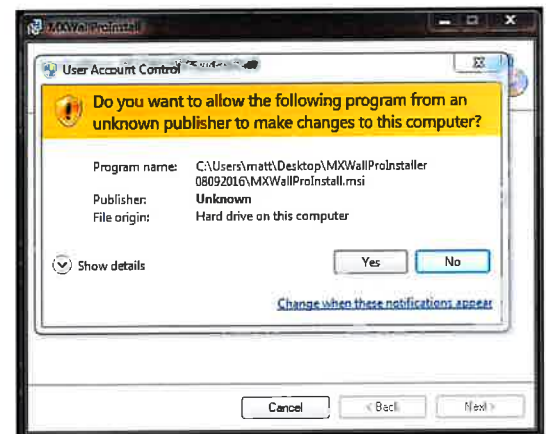


Figure 8-4

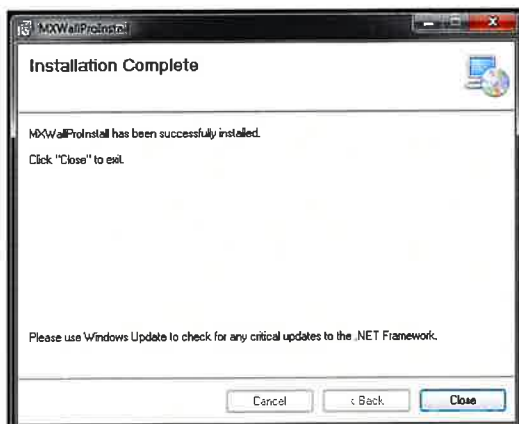


Figure 8-5



Figure 8-6

Using the MXWall-Pro

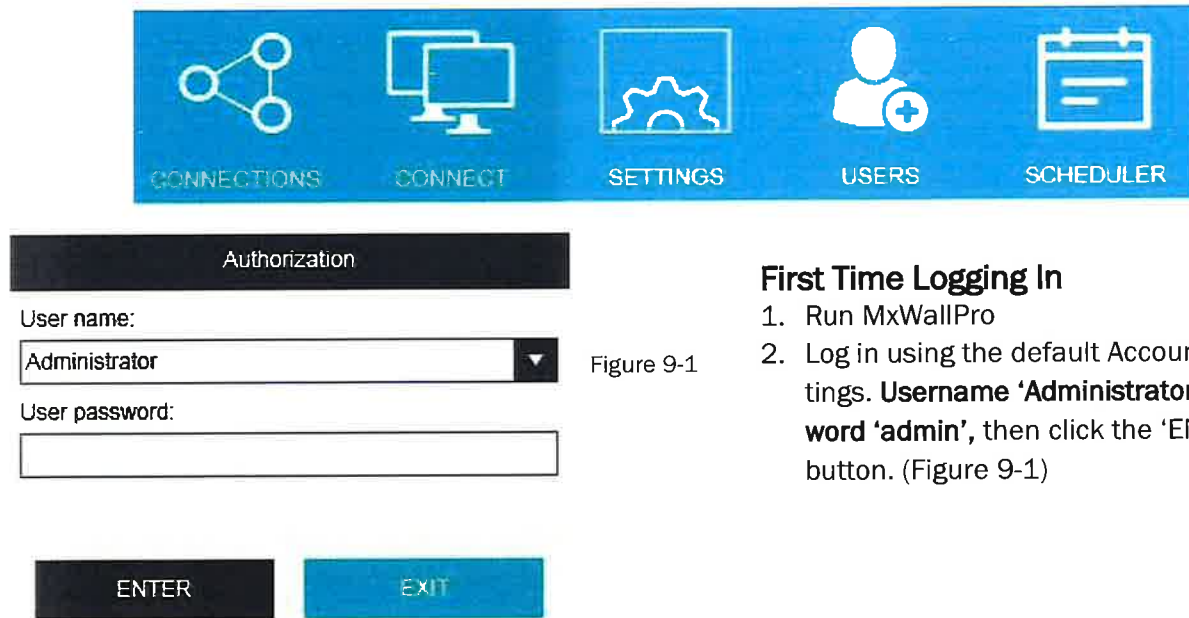


Figure 9-1 shows the MXWall-Pro main interface. The top blue bar contains five icons: CONNECTIONS, CONNECT, SETTINGS, USERS, and SCHEDULER. Below this is the 'Authorization' window. It has a 'User name:' field with a dropdown menu showing 'Administrator', a 'User password:' field, and two buttons: 'ENTER' and 'EXIT'.

First Time Logging In

1. Run MxWallPro
2. Log in using the default Account Settings. **Username 'Administrator' Password 'admin'**, then click the 'ENTER' button. (Figure 9-1)

Configuring Settings

1. Click on 'Connect' Located in the top blue bar. (Figure 9-2)
2. A pop up window of Settings will appear. Here you can set the Serial port, Baud Rate, IP Address and Port number. (Figure 9-3)
3. Once everything is set, Click on 'ok'.

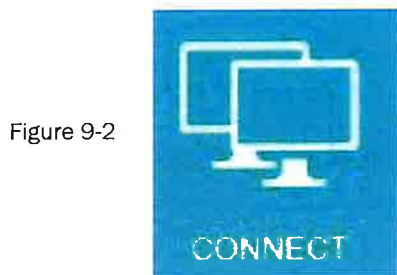


Figure 9-2

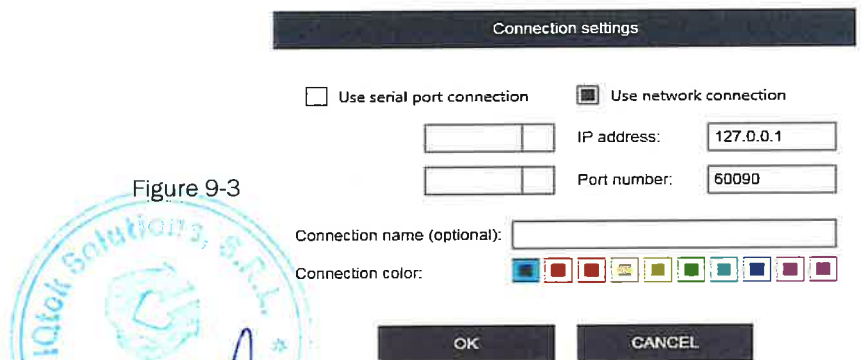


Figure 9-3 is a 'Connection settings' window. It has two checkboxes: 'Use serial port connection' (unchecked) and 'Use network connection' (checked). Below these are two input fields: 'IP address' with the value '127.0.0.1' and 'Port number' with the value '60090'. There is also a 'Connection name (optional):' field and a 'Connection color:' field with a row of color swatches. At the bottom are 'OK' and 'CANCEL' buttons.

Figure 9-3

Connecting to the MXWall-Pro

1. Click on 'Connections', Your video wall will be shown. Choose Connect. Figure 9-4.

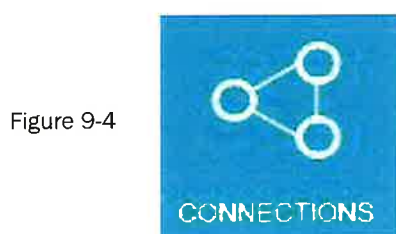


Figure 9-4



Figure 9-4 (continued) shows the 'Connection settings' window with a list of connections. The first connection is highlighted in blue and shows '127.0.0.1' and '60090'. Below the list are buttons for 'CONNECT', 'REMOVE', and 'CLOSE'.

USING THE SOFTWARE (Continued)

Configuring VideoWall

After Logging in, Navigate with your mouse to the top, and click on 'Settings'



On the right side of the VideoWall settings window under 'Resolution' you can use the pull down menu to select the resolution. Click on the + or – buttons to set the number of Rows and Columns in your Video Wall array. (Figure 10-1)

If you want to use PIP you must plug 1 output port into an input card on the MXWall-Pro. To set this up, you select the Overlay mode box and click on the + or – buttons to set the number of the Overlay card and Overlay input port. (Figure 10-1)

VideoWall settings

Resolution:

1920 x 1080 ▼

Set and close

Rows:

- 8 +

Columns:

- 8 +

☒ Overlay mode

Overlay card:

- -1 +

Overlay input:

- -1 +

Input count:

- 64 +

OK

CANCEL

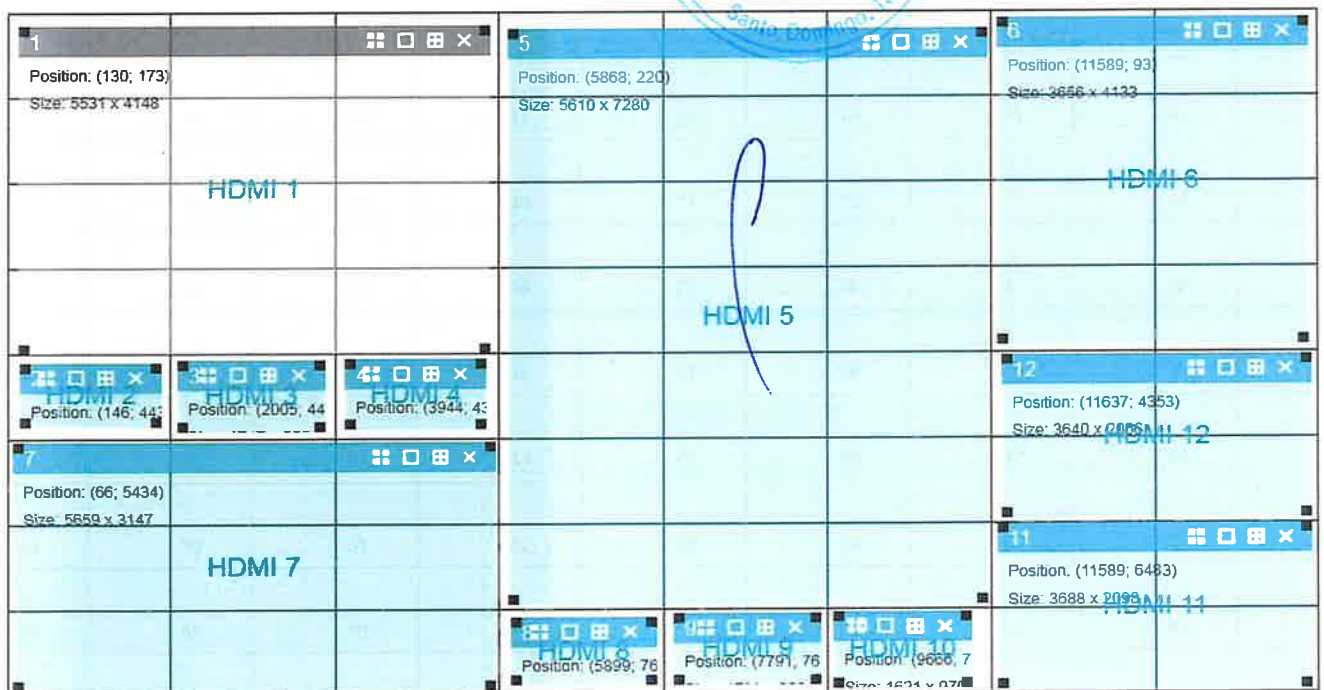
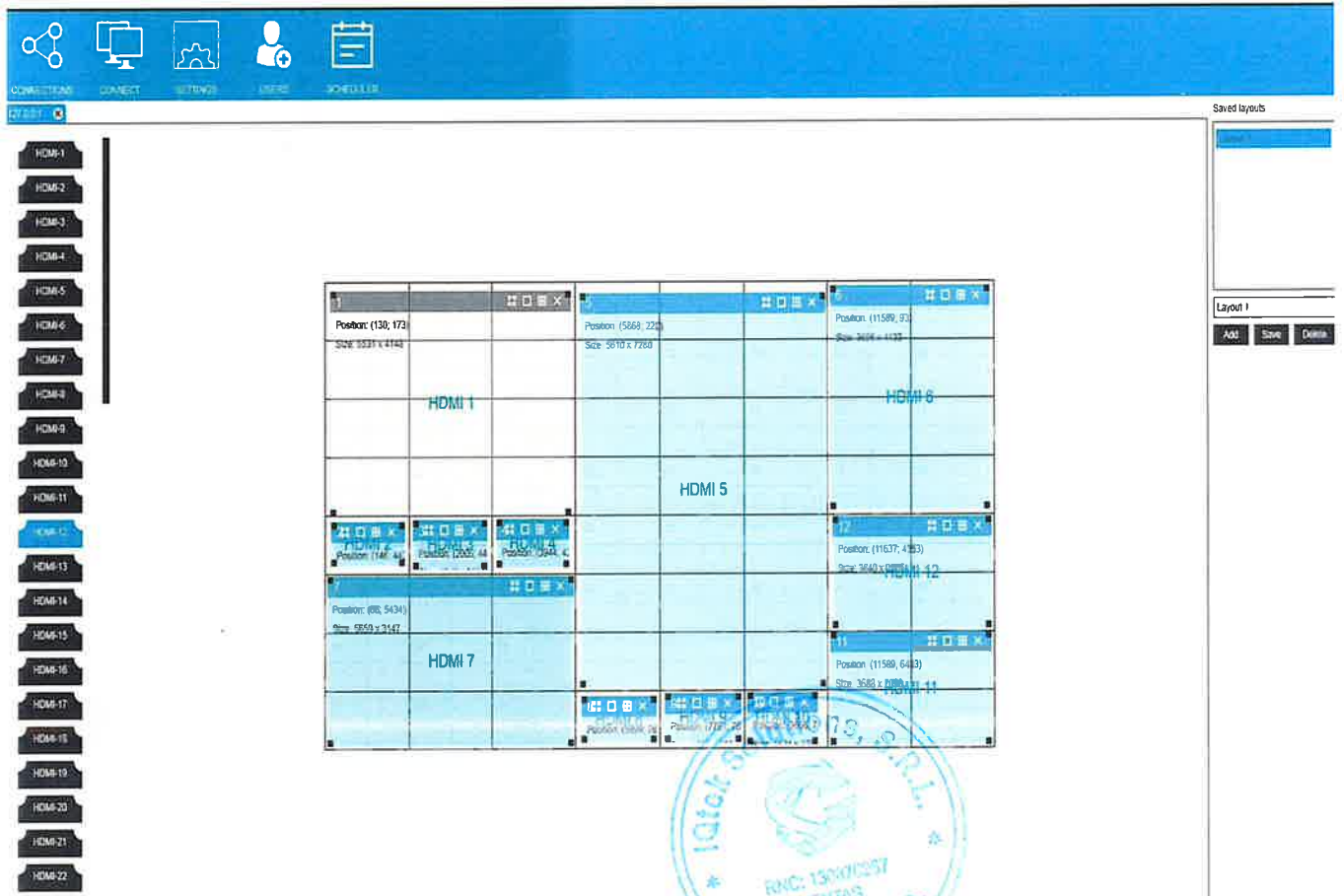
Figure 10-1

USING THE SOFTWARE (Continued)

Creating Inputs and Views

After your MxWall-Pro has been configured. Time to set up your screen configurations.

Click an "HDMI" tap on the left, for your input source. And Drag, drop, expand on the wall to select your screens. It's that easy. Create and save as many layouts as you like.



USING THE SOFTWARE (Continued)

Adding USERS

You can Add and delete Users by clicking on the USERS symbol shown in figure 12-1.



Figure 12-1

In the window that pops up you set the name, password and whether or not the user is administrator. See Figure 12-2



Figure 12-2

Creating Schedules

You can set up displays to start and stop automatically by clicking the Scheduler symbol shown in Figure 12-3. The Scheduler configuration window will appear. See Figure 12-4.

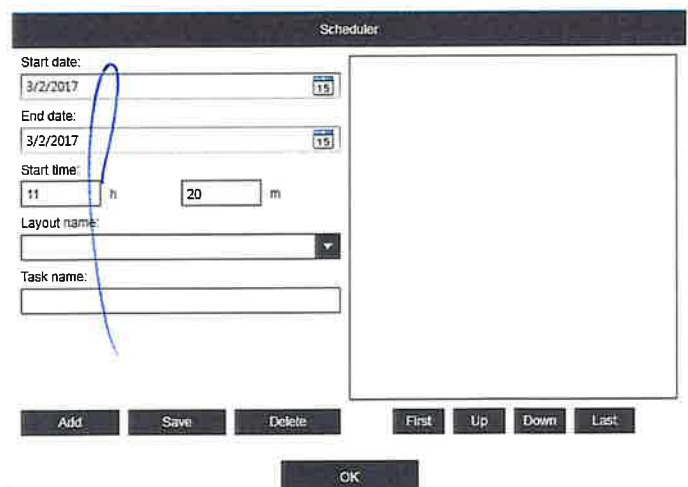


Figure 12-3

Start Date: Enter a start date by typing the date in or clicking on the calendar and selecting a start date.
End Date: Enter an end date by typing the date in or clicking on the calendar and selecting an end date.
Start time: Enter the Hour and Minutes.
Layout Name: Use the drop down box to select the layouts you have already created to be put into the Scheduled.
Task Name: Enter the name of the task by typing it in. This will help you remember what this task is for.

Figure 12-4

Click on Add and your task will appear in the list on the right. To delete a task, simply select the task and click on the Delete button. Once done click on Save to save the tasks that have been scheduled and click on OK to close the Scheduler.



LIMITED WARRANTY STATEMENT

A. Extent of limited warranty

Smart-AVI Technologies, Inc. warrants to the end-user customers that the Smart-AVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

Smart-AVI limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:

- a. Improper or inadequate maintenance or modifications
- b. Operations outside product specifications
- c. Mechanical abuse and exposure to severe conditions

If Smart-AVI receives, during applicable warranty period, a notice of defect, Smart-AVI will at its discretion replace or repair defective product. If Smart-AVI is unable to replace or repair defective product covered by the Smart-AVI warranty within reasonable period of time, Smart-AVI shall refund the cost of the product.

Smart-AVI shall have no obligation to repair, replace or refund unit until customer returns defective product to Smart-AVI.

Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

Smart-AVI limited warranty is valid in any country where the covered product is distributed by Smart-AVI.

B. Limitations of warranty

To the extent allowed by local law, neither Smart-AVI nor its third party suppliers make any other warranty or condition of any kind whether expressed or implied with respect to the Smart-AVI product, and specifically disclaim implied warranties or conditions of merchantability, satisfactory quality, and fitness for a particular purpose.

C. Limitations of liability

To the extent allowed by local law the remedies provided in this warranty statement are the customers sole and exclusive remedies.

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event will Smart-AVI or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages whether based on contract, tort or any other legal theory and whether advised of the possibility of such damages.

D. Local law

To the extent that this warranty statement is inconsistent with local law, this warranty statement shall be considered modified to be consistent with such law.

Smart-AVI

SMART AUDIO VIDEO INNOVATION

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SmartAVI.com



6x3 All-In-One Presentation Switchers With NX Control (Multi-Format, HDMI, DXLink™ Inputs)

DVX-2255HD-SP (FG1906-12) 2x25W 8-Ohm

DVX-2255HD-T (FG1906-14) 75W 70/100V



Overview

The Enova® DVX-2255HD 6x3 All-In-One Presentation Switcher is a unified audio, video, and control device that replaces the need for numerous individual components and eliminates the integration and reliability challenges that accompany them. The compact 3U Presentation Switcher integrates a variety of different functionality, such as a scaler, analog to digital signal converter, twisted pair transmitter and amplifier with built-in professional grade audio processing into a single chassis. With AMX-exclusive features, the DVX-2255HD is a simple to install, flexible solution, perfectly suited for large and complex conference rooms, classrooms and auditoriums.

The DVX-2255HD includes the next generation NetLinx Integrated Controller technology, the NX-Series. This new controller provides a scalable platform for the future by combining high performance, backward compatibility and extensive network security features.

The DVX-2255HD includes a long list of features to ensure optimal audio and video quality from virtually any source. The state-of-the-art professional grade audio DSP delivers quality audio throughout a room. The DVX-2255HD's multi-format video

inputs support analog and digital signals including HDMI with HDCP sources - all in the same connector. Built-in SmartScale® Technology outputs video that is perfectly scaled for each connected display, eliminating the integration challenges that can occur when sources and displays have different optimal resolutions - making the DVX-2255HD easy to specify, easy to install and easy to use.

The Enova DVX's all-in-one architecture also delivers the lowest Total Cost of Ownership in the industry, thanks to ease of support, maintenance and configuration, as well as reduced hardware and cabling costs.

Common Applications

- The DVX-2255HD is ideal for dramatically simplifying AV control and distribution in small to medium-sized and large conference rooms, boardrooms and classrooms.
- With the included DXLink inputs, the DVX-2255HD is perfect for rooms where the AV rack is not near your source devices and display
- The flexible DVX-2255HD is perfect for any complex collaboration space with a mix of analog and digital sources, multiple displays, or rooms that require support for video conferencing.
- The DVX-2255HD is perfect for any room or facility with space constraints, especially those that lack space in equipment racks.

Features

- **All-In-One Device** – Controller, matrix switcher, scaler, analog to digital converter, amplifier, plus twisted pair distribution and professional-grade audio DSP – all in a space-saving 3U chassis
- **Simplicity & Reliability** – Replaces the need for numerous individual components and equipment, ensuring high reliability and saving on configuring and programming costs
- **Low Total Cost of Ownership** – With a consistent platform across a variety of sizes, it is easy to standardize on the the DVX and reduce costs for hardware, training, support, troubleshooting and sparing
- **Unrivaled Network Security: Dual NIC** – The LAN port is used to connect the master to an external network, and the ICSLAN ports connect to AMX or third-party A/V equipment isolated from the primary network, providing rock-solid security
- **IPv6 and wired 802.1x** – Supports modern networking standards for internet protocol IPv6 and port-based Network Access Control utilizing X.509 certificates for access to protected networks
- **Optimal Video Image Quality Every Time** – Exclusive SmartScale™ Technology automatically scales the image to the best resolution and video parameters for each display—even for displays of different information—without manual setup, eliminating the need for costly external scalers
- **Crystal Clear Audio** – Includes an integrated digital signal processor with advanced capabilities like independent 10-band parametric EQ, independent input gain adjustments and variable compression, allow precision tuning to match unique source and room attributes
- **Audio Breakaway** – Stereo audio from any analog input or de-embedded from any HDMI input can be broken away from its associated video, processed through the DSP, and switched independently to any analog, HDMI or S/PDIF audio output
- **Audio Matrix Switching** – Four independently switched and processed audio paths provide four unique volume, EQ, ducking and mixing configurations for perfectly tuned room audio as well as integration with audio/video conferencing, induction loop systems, voice re-enforcement speakers and audio recording devices
- **Enhanced Microphone Processing** – Independent 3-band parametric EQ, compression, gating, auto-ducking, and limiting on each microphone input ensures crystal clear communication
- **Matrix Switching** – Freely route any input to any or all outputs without blocking - 4x2 video switcher and 6x3 audio switcher with audio breakaway
- **AV and Control Over Twisted Pair** – Send audio, video, bi-directional control and Ethernet up to 100m over one standard twisted pair cable
- **HDMI/HDCP Switching with Simplicity of Analog** – End-to-end distribution of HDMI/HDCP without interruption or key constraints using exclusive InstaGate Pro® Technology

- **Multi-Format Ports** – Built for analog signals - RGBHV, Component, S-Video, and Composite, and digital HDMI/HDCP and DVI signals - all on the same connector
- **Enhanced Diagnostics On Serial & IR Ports** – Provides real time error feedback when Serial and IR ports are disconnected or improperly wired
- **3D Support** – Pass through latest video formats including 3D and Deep Color
- **DXLink™ Twisted Pair Outputs** – Send audio, video, bi-directional control and Ethernet to DXLink HDMI Receivers up to 100m away over one twisted pair cable
- **DXLink Twisted Pair Inputs** – Receive audio and video from DXLink Multi-Format Transmitters and Solecis Digital Switchers and deliver bi-directional control and Ethernet. In addition the DVX provides power to DXLink Multi-Format Transmitters. For more details and helpful cabling information, reference the white paper titled Cabling for Success with DXLink, or contact your AMX representative
- **Saves Energy** – Includes features that dramatically reduce energy utilization. Use the interactive DVX Energy Savings Calculator to estimate savings for your particular configuration

Specifications

GENERAL	
Enclosure	Metal with black matte finish
Dimensions (HWD)	5 3/16" x 17" x 14" (13.2 cm x 43.2 cm x 35.6 cm)
Weight	18.2 lb. (8.26 Kg)
Certifications	FCC Part 15 Class A CE EN 55022 CE EN 55024 CE EN 60065 IEC 60065 IC CISPR 22 Class A C-Tick CISPR 22 Class A LVD EN 60950-1 UL 60065 RoHS WEEE
Included Accessories	Power Cord, Universal (64-0009) 2-pin 3.5 mm mini-Phoenix (female) PWR connector (41-0002-SA) 4-pin 3.5 mm mini-Phoenix (female) AxLink connector (41-5047) 10-pin 3.5mm mini-Phoenix female RS232/422/485 connectors (41-5107) (3) 5-pin 3.5mm mini-Phoenix female RS232 connectors (41-0336) 6-pin 3.5 mm mini-Phoenix female I/O connector (41-5063) 8-pin 3.5 mm mini-Phoenix female Relay connector (41-5083) (2) CC-NIRC IR Emitters CC-DVIM-VGAF, DVI to HD-15 Female Adapter (FG10-2170-13)
Optional Accessories	CC-DVI-5BNM, DVI to 5 BNC Male Cable (FG10-2170-08) CC-DVI-RCA3M, DVI to 3 RCA Male Cable (FG10-2170-09) CC-DVIM-VGAF, DVI to HD-15 Female Adapter (FG10-2170-13) CC-DVI-SVID, DVI to S-Video Cable (FG10-2170-10)

	CC-3.5ST5-RCA2F, 5-pin 3.5mm Phoenix to 2 RCA Female Cable (FG10-003-20) DX-RX, DXLink HDMI Receiver Module (FG1010-500) DX-TX, DXLink Multi-Format Transmitter Module (FG1010-310) DX-TX-DWP-BL/WH, DXLink Multi-Format Decor Style Wallplate Transmitters (US) (FG1010-325-BL/WH) DX-TX-WP-BL/WH, DXLink Multi-Format Wallplate Transmitters (FG1010-320-BL/WH) SDX-410-DX, 4x1 HDMI Digital Switcher with DXLink Output (FG1010-304) SDX-510M-DX, 5x1 Multi-Format Digital Switcher with DXLink Output (FG1010-315) SDX-810-DX, 8x1 HDMI Digital Switcher with DXLink Output (FG1010-308) EXB-IRS4, ICSLan IR/S Interface, 4 IR/S and 4 Inputs (FG2100-23) EXB-COM2, ICSLan Serial Interface, 2 Ports (FG2100-22) EXB-REL8, ICSLan Relay Interface, 8 Channels (FG2100-20) EXB-I/O8, ICSLan Input/Output Interface, 8 Channels (FG2100-21) EXB-MP1, ICSLan Multi-Port, 1 COM, 1 IR/S, 2 I/O, 1 IR RX (FG2100-26) CBL-HDMI-FL HDMI, High Speed Flat Cable with RedMere® Technology (FG10-2180-16) CBL-DP-FL, DisplayPort High Speed Flat Cable with RedMere Technology (FG10-2181-16) CBL-ETH-FL, Ethernet Cat5e Flat Cable (FG10-2182-16) CBL-RGB+A-FL RGB with Audio Flat Cable (FG10-2183-16)
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ACTIVE POWER REQUIREMENTS	
Power Consumption	80 Watts typical without amplifier 85 to 90 Watts typical average with amplifier 30 Watts typical in low-power mode
Power Connector	IEC Power Cord Connector 100-240 VAC 47-63 Hz
Power Factor Correction (PFC)	Supported, complies with N60555-2 and EN61000-3-2

ENVIRONMENTAL	
Temperature (Operating)	0° C to 40° C (32° F to 104° F)
Temperature (Storage)	-10° C to 70° C (14° F to 158° F)
Humidity (Operating)	5% to 85% RH
Heat Dissipation (Typical)	300 BTU/hr
Heat Dissipation (Standby)	100 BTU/hr

ETHERNET	
Connection	(1) RJ-45
Description	10/100 Port RJ-45 connector provides TCP/IP communication. Auto MDI/MDI-X enabled. Supports IPv4 and IPv6 networks. Supports HTTP, HTTPS, Telnet, FTP

Link/Act Indicator	Link/Activity LED (green) blinks when receiving Ethernet data packets, one on Ethernet RJ-45 connector and one on the front panel
Speed Indicator	Speed LED (yellow) lights On when the connection speed is 100 Mbps Ethernet connection and turns OFF when the speed is 10 Mbps

INTEGRATED AMPLIFIER	
Integrated Amplifier	DVX-2255HD-SP: 2 x 25 W RMS into 8 Ohms Class D stereo amplifier (4-ohm stable) DVX-2255HD-T: 75 W, 70 V / 100 V mono amplifier

ICSLAN	
ICSLan Connection	(1) RJ-45, 10/100 Port RJ-45 connector. Auto MDI/MDI-X enabled. Supports IPv4 and IPv6 networks. Supports HTTP, HTTPS, Telnet, FTP
ICSLan Link/Active Indicator	ICSLan LED (green) blinks when receiving Ethernet data packets, one on Ethernet RJ-45 connector and one on the front panel
ICSLan Speed Indicator	Speed LED (yellow) lights On when the connection speed is 100 Mbps Ethernet connection and turns OFF when the speed is 10 Mbps

ONBOARD MASTER	
Controller	Integrated Controller is the equivalent of a NetLink NX-2200 Central Controller
Memory	- NVRAM: 1 MB - Memory Card: 16 GB SD - DDRAM: 1 GB - Note: Supports external USB Solid State Drive
Processor	1600 MIPS
Program Port	(1) USB Standard B
Configuration Dip Switch	4-Position
ID Pushbutton	Black ID pushbutton for setting IP mode and reverting to default configuration and firmware It has no effect on the Internal Switcher Device
Status Indicator	Status LED (green) blinks to indicate that the system is programmed and communicating properly
Input Indicator	Input LED (yellow) blinks to indicate that the Controller is receiving data
Output Indicator	Output LED (red) blinks to indicate that the Controller is transmitting data
USB Host Port	(2) USB Standard A, one on front and one on back, USB Host port supports Solid State drive for upgrading firmware, loading code files, copying configuration data and remote storage

CONTROL PORTS & INDICATORS	
AxLink Port (1)	(1) 4-position 3.5mm Screw Terminal, provides data and power to external AxLink control devices
AxLink Indicator	(1) AxLink LED (green) indicates the state of the AxLink port

RS-232/422/485 Port	(1) 10-position 3.5mm Screw Terminal NetLinX Ports 1 and 5 XON/XOFF (transmit on / transmit off) CTS/RTS (clear to send/ready to send) 300 - 115,200 baud
RS-232 Port	(3) 5-position 3.5mm Screw Terminal NetLinX Ports 2-4 XON/XOFF (transmit on / transmit off) CTS/RTS (clear to send/ready to send) 300 - 115,200 baud
Serial Indicator	(4) sets of LEDs (red/yellow) indicate when serial Ports 1-4 are transmitting and receiving data
IR/Serial	(4) 2-position 3.5mm Screw Terminal 4 IR Transmit / 1-way Serial ports NetLinX Ports 11-14 Support high-frequency carriers up to 1.142 MHz 4 IR/Serial data signals can be generated simultaneously
IR/Serial Indicators	(2) LEDs (red) indicate when each of the IR/Serial ports (11-14) are transmitting control data
I/O Channels	(4) One 10-position 3.5mm Screw Terminal 4-channel binary I/O port for contact closure with each input being capable of voltage sensing NetLinX Port 22 Channels 1-4
I/O Indicator	(4) LEDs (yellow) indicate each of the I/O channels (1-4) are active
Relays	(4) One 8-position 3.5 mm Screw Terminal, (4) single-pole, single-throw relays NetLinX Port 21 Channels 1-4 Each relay can switch up to 24 VDC or 28 VAC @ 1 A Each relay is independently controlled
Relay Indicators	(4) LEDs (red) indicate when each of the relay channels (1-4) are active (closed)

INTEGRATED MATRIX SWITCHER CONTROL	
Switch Pushbutton	Press to enter the SWITCH menu on the LCD display. Choose to switch audio, video or both from any input to any output. Press the TAKE pushbutton to implement the switch
Take Pushbutton	While in the SWITCH menu, press to implement an audio/video switch. When not in the SWITCH menu, press to cycle through audio and/or video inputs
LCD Display	Liquid crystal display (2 lines with 20 characters per line) indicates current volume level and displays the Video, Audio, and Tools menus
Video Menu Pushbutton	Press to access the Video menu on the LCD display. Multiple presses cycle through the various VIDEO menus
Audio Menu Pushbutton	Press to access the Audio menu on the LCD display. Multiple presses cycle through the various AUDIO menus
Navigation Pushbuttons	(4) directional buttons for navigating the options in the Video and Audio menu (on the LCD display)
Status Pushbutton	Press to access the STATUS menu on the LCD display
Exit Pushbutton	Press to exit any menu

Video Mute Pushbutton	Press to mute/un-mute (enable/disable) all video output displays. Video Mute results in a blank screen on the output display
Audio Mute Pushbutton	Press to mute/un-mute all audio outputs

INTEGRATED MATRIX SWITCHER	
Video Switching	6x3 Matrix Video Switching, any of the 6 inputs can be routed to any or all of the 3 video outputs
Video Inputs	(2) Multi-Format DVI-I; supports HDMI/HDCP, DVI, RGB, S-Video, Composite, Component (Y/Pb/Pr) (4) HDMI; supports HDMI/HDCP
Video Outputs	(2) HDMI; supports HDMI/HDCP (1) DXLink; mirrors associated HDMI outputs; supports digital video, audio, Ethernet and bi-directional control
Video Resolution Support	Supports resolutions up to 1920 x 1200 @ 60Hz. See Operations Reference Guide for details for each signal type
Progressive Resolution Support	480p up to 1920x1200 @ 60 Hz If input is interlaced, all scaled outputs will deinterlace video to a progressive resolution format. If in scaler Bypass mode interlaced input will pass through unaltered
HDCP Support	Yes, full matrix HDCP support (includes any input to any or all outputs) Key Management System AMX HDCP InstaGate Pro Technology Key support up to 16 sinks per output, independent of source device
EDID Management	A preferred EDID can be selected for each input or any display EDID can be mirrored to any input independently
Audio Switching	8x3 Matrix Audio Switching. Each of the 3 audio outputs has independent volume, EQ, ducking, sync delay and mixing. Any of the 4 audio paths can be routed to any analog, HDMI or S/PDIF output (each mirrored DXLink output passes audio sent to its associated HDMI output)
Audio Inputs	(2) female 1/8" stereo mini-phono jacks; support unbalanced audio (2) 3.5 mm 5-position captive-wire terminals; support balanced (differential) or unbalanced (single-ended) stereo audio (2) 3.5 mm 3-pin captive-wire MIC connectors; supports up to two mono microphones, unbalanced or balanced audio (2) HDMI connections support digital audio (2) DXLink connections support audio from DXLink transmitters
Audio Outputs	DVX-2255HD-SP (FG1906-12): (1) Amplified audio output; 4-position captive wire connector; supports amplified, variable, mono or stereo audio (3) Line level audio output; supports balanced or unbalanced mono or stereo (1) S/PDIF output; mirrors any of the 4 analog audio outputs, or 4 HDMI outputs (each mirrored DXLink output passes S/PDIF if sent to its associated HDMI output)

	(4) HDMI connections support digital versions of analog audio or direct pass-through audio (2) DXLink outputs mirror associated HDMI outputs; support digital version of analog audio or direct pass-through DVX-2255HD-T (FG1906-14): (1) Amplified audio output; 2-position captive wire connector; supports 70V or 100V mono audio – connect speakers to either but not both simultaneously (3) Line level audio output; supports balanced or unbalanced mono or stereo (1) S/PDIF output; mirrors any of the 4 analog audio outputs, or 4 HDMI outputs (each mirrored DXLink output passes S/PDIF if sent to its associated HDMI output) (4) HDMI connections support digital versions of analog audio or direct pass-through audio (2) DXLink outputs mirror associated HDMI outputs; support digital version of analog audio or direct pass-through
Audio Breakaway	Yes, stereo audio from any input can be embedded to or de-embedded from its associated video, processed through DSP, and switched independently to any analog or HDMI output (DXLink outputs are mirrored to associated HDMI outputs so they will pass the associated audio, as will the S/PDIF output which mirrors one of the other audio outputs)

MULTI-FORMAT VIDEO WITH DVI-I	
Multi-Format Input Connections	(2) DVI-I; Ports (1-2)
Multi-Format Supported Video	HDMI/HDCP, DVI/HDCP, RGB, S-Video, Composite, Component (Y/Pb/Pr)
	See specifications for each signal style over DVI-I for more detail
Pixel Clock (Max)	165 MHz (225 MHz in pass-thru mode up to 1080p)
Input Equalization	Yes
Input Re-Clocking (CDR)	Yes

COMPONENT (Y/Pb/Pr) WITH DVI-I	
Input Level	1 Vp-p nominal
Input Impedance	75 Ohms, nominal
Note	Requires DVI-I to 3 RCA Adapter or DVI-I to 5 BNC Adapter
	AC coupled: Insensitive to DC offset

S-VIDEO WITH DVI-I	
Input Level	1 Vp-p nominal
Input Impedance	75 Ohms, nominal
Note	Requires DVI-I to S-Video Adapter
	AC coupled: Insensitive to DC offset

COMPOSITE WITH DVI-I	
Input Level	1 Vp-p nominal
Input Impedance	75 Ohms, nominal
Note	Requires DVI-I to 3 RCA Adapter or DVI-I to 5 BNC Adapter AC coupled: Insensitive to DC offset

RGBHV WITH DVI-I	
Supported Video	RGBHV, RGBS, RGsB
Input Level	1 Vp-p nominal
Input Impedance	75 Ohms, nominal
Sync Input Level	2 to 5 Vp-p
Sync Input Impedance	2.5 pF Typical, 10 pF Maximum
Note	Requires DVI to HD15 Adapter or DVI-I to 5 BNC Adapter

DVI WITH DVI-I	
Supported Video	DVI 1.0
Sync Input Level	2 to 5 Vp-p
Sync Input Impedance	2.5 pF Typical, 10pF Maximum
Note	Format: RGB

HDMI WITH DVI-I	
HDCP Compliance	Yes
Note	Requires DVI to HDMI Adapter Signal Types: Supports full matrix switching, video processing and scaling of 8 bit per color standard Input video signals. Supports full matrix switching and pass-thru of all HDMI compliant video signals including 3-D and Deep Color

HDMI WITH HDMI Type A Female	
Input Connections	(4) HDMI Type A Female, Ports (3-6)
Input Signal Type Support	HDMI/HDCP, DVI/HDCP, Display Port ++
Data Rate (Max)	4.95 Gbps (6.75 Gbps in pass-thru mode up to 1080p)
Pixel Clock (Max)	165 MHz (225 MHz in pass-thru mode up to 1080p)
Input Equalization	Yes
Input Re-Clocking (CDR)	Yes
Output Connections	(2) HDMI Type A Female, Ports (1-2)
Output Signal Type Support	HDMI/HDCP, DVI/HDCP
Output Scaling	SmartScale or Manual Configuration or Bypass SmartScale output resolution support: All resolutions between 480p and 1920 x 1200 @ 60 Hz via automatic SmartScale query of the display's declared EDID Detailed Timing Definition
Deep Color Support	Scaled Outputs: 24-bit, pass-thru Outputs: 30-bit, 36-bit
Color Space Support	Y,Cb,Cr & RGB
3D Format Support	Yes, when in Bypass mode, HDMI primary formats
HDCP Compliance	Yes

Audio Format Support for HDMI	Supports Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM
Note	DisplayPort ++ requires DisplayPort to HDMI adapter cable Supports full matrix switching, video processing and scaling of 8 bit per color standard Input video signals. Supports full matrix switching and pass-thru of all HDMI compliant video signals including 3-D and Deep Color Each output can deliver processed and scaled video or pass-thru video from any video input Each output can embed audio from any of the 3 analog audio outputs as Stereo L-PCM or can pass-thru Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS and L-PCM audio from the selected video source

DXLINK WITH RJ-45	
Output Connections	(1) RJ-45; Port (3)
Output Compatible Formats	Digital Video with embedded audio, analog audio, Ethernet, Bi directional control Supports full matrix switching and pass-thru of all HDMI compliant video signals including 3D and Deep Color Audio Signal Types: Supports Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM
Output Re-Clocking	Yes
Output Scaling	SmartScale or Manual Configuration or Bypass
Input Connections	(2) RJ-45; Ports (5, 6)
Input Compatible Formats	Digital video, audio, Ethernet, bi-directional control and power (supported capabilities for DXLink vary by connected device, see connected device manual for more information)
HDCP Support	Yes
Twisted Pair Cable Type	Shielded Cat6, Cat6A and Cat7 DXLink twisted pair cable runs for DXLink equipment shall only be run within a common building where a common building is defined as: the walls of the structure(s) are physically connected and the structure(s) share a single ground reference For more details and helpful cabling information, reference the white paper titled Cabling for Success with DXLink, or contact your AMX representative
Note	Supports full matrix switching, video processing and scaling of 8 bit per color standard Input video

ANALOG AUDIO	
Analog Audio Input Connections	(2) female 1/8" stereo mini-phono jacks; support unbalanced audio

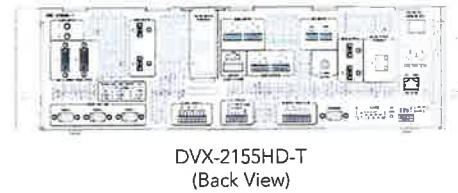
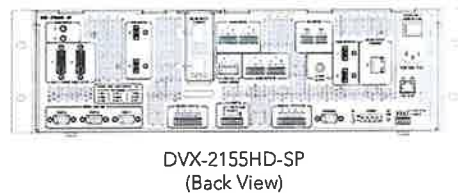
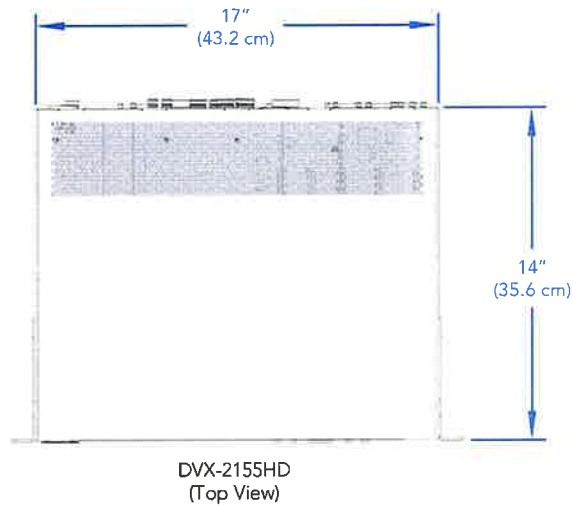
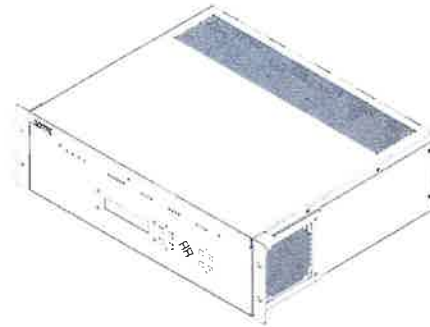
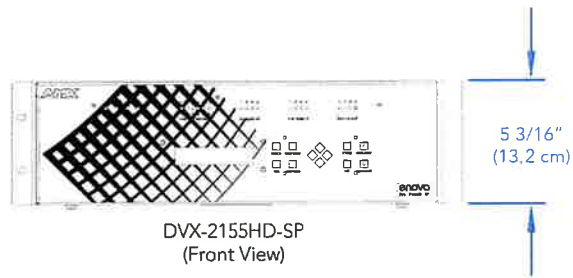
	(2) 3.5 mm 5-position captive-wire terminals; support balanced (differential) or unbalanced (single-ended) stereo audio
Input Level (Nominal)	+4 dBu (1.228 Vrms) balanced or -10 dBV (0.3162 Vrms) unbalanced
Input Level (Maximum)	+14 dBu 2 Vrms
Input Impedance	>12 kOhms balanced, >12 kOhms unbalanced
Analog Audio Output Connections	DVX-2255HD-SP (FG1906-12): (1) Amplified audio output; 4-position captive wire connector; supports amplified, variable, mono or stereo audio (3) Line level audio output; supports balanced or unbalanced mono or stereo DVX-2255HD-T (FG1906-14): (1) Amplified audio output; 2-position captive wire connectors; supports 70V or 100V mono audio – connect a speaker to either but not both simultaneously (3) Line level audio output; supports balanced or unbalanced mono or stereo
Volume Control	-100 dB to +0 dB in 1 dB steps
Balance Control	20 steps each left and right
Output Level (Maximum)	+17 dBu (line level)
Output Impedance	200 Ohms (line level)
Audio Channel Crosstalk	Balanced Line Inputs: -98 dB @ 0 dBV, 20 Hz to 20 kHz Unbalanced Line Inputs: -70 dB @ 0 dBV, 20 Hz to 20 kHz
Audio Frequency Response	AMP: 20 Hz to 20 kHz ± 0.75 dB @ 8 Ohms Line: 20 Hz to 20 kHz ± 0.1 dB
Audio Input Compression	Independent Compression per input Attack: 1 to 2000 ms Release: 10 to 5000 ms Compression Ratio: 1 to 20 Threshold: -60 to 0 dB
Audio Input Gain Compensation	-24 dB to +24 dB, 1dB steps
Audio Output Equalizer	10-band parametric EQ with variable center frequency, filter type and Q per band Center Frequency: 20 Hz to 20 kHz EQ Gain: -12 to +12 dB Q: 0.1 to 20 Filter Types: Bell, Base Shelving, Treble Shelving, Low Pass, High Pass, Band Pass, Band Stop
Audio Output Sync Delay	0 to 200 ms
Audio S/N Ratio	AMP: 85 dB @ 8 Ohms, full output, 1 kHz A-weighted Line: 105 dB @ 10 dBV, AES17
Audio THD+N	AMP: < 0.15% @ 8 Ohms, 20 Watts, 20 Hz to 20 kHz Line: 0.003% @ 0 dBV, 1 kHz
Note	Independent EQ, Volume and Balance control per output
MICROPHONE AUDIO	
Microphone Input Connections	(2) 3.5 mm 3-pin captive-wire MIC connectors; supports up to two mono microphones, unbalanced or balanced audio
Microphone Input Level (Maximum)	5 dBu
Microphone Input Format Support	Line or Mic level, balanced or unbalanced audio

Microphone Input Impedance	3.5 kOhms, accepts 60 to 600 Ohms sources
Microphone Input Gain	-24 dB to +89 dB, 1 dB steps
Microphone Input Equalizer	3-band parametric EQ with variable center frequency, filter type and Q Center Frequency: 20 Hz to 20 kHz EQ Gain per Band: -12 to +12 dB Q per band: 0.1 to 20 Filter Types: Bell, Base Shelving, Treble Shelving, Low Pass, High Pass, Band Pass, Band Stop
Microphone Input Compression	Independent Compression per Microphone Attack: 1 to 2000 ms Release: 10 to 5000 ms Compression Ratio: 1 to 20 Threshold: -60 to 0 dB
Microphone Gating	Independent Gating per Microphone Attack: 1 to 2000 ms Release: 10 to 5000 ms Depth: 0 to 20 dB Hold Off: 0 to 2000 ms Threshold: -60 to 0 dB
Microphone Limiter	Independent Limiting per Microphone Attack: 1 to 2000 ms Release: 10 to 5000 ms Threshold: -60 to 0 dB
Microphone Ducking	Independent Ducking per each of 3 audio paths Attack: 1 to 2000 ms Release: 10 to 5000 ms Attenuation: 0 to 20 dB Hold Off: 0 to 4000 ms Threshold: -60 to 0 dB
Microphone Inputs Note	Phantom Power: switchable 48 V to each microphone @ 8 mA total

S/PDIF DIGITAL AUDIO	
S/PDIF Audio Outputs	(1) S/PDIF output; mirrors either of the 4 analog audio outputs or 4 HDMI outputs (the two DXLink outputs that mirror 2 assigned HDMI outputs support the S/PDIF as well)
S/PDIF Audio Output Note	Output can mirror any of the 4 analog audio outputs as stereo digital audio, or L-PCM, Dolby Digital and DTS audio being passed-thru to any of the 4 HDMI outputs

For a more detailed pictorial drawing please visit: <http://www.amx.com/products/DVX-2255HD.asp>





About AMX by HARMAN

Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. Revised 11.5.14. ©2014 Harman. All rights reserved. Specifications subject to change.

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Panel Táctil Sobremesa Modero® S Series de 7"

MST-701(FG2265-06)



Presentación

La familia Modero S Series está formada por hermosos paneles táctiles lo suficientemente sofisticados como para cualquier control de sala, pero a un precio adaptado a las instalaciones más sensibles al precio. El Modero S Series de 7" de sobremesa incluye VoIP, brillante profundidad de color de 24 bits, conectividad PoE, Bluetooth, USB y streaming de vídeo.

Aplicaciones Comunes

El MST-701 tiene un estilo elegante que complementa a los Modero X Series, con una nueva carcasa de plástico robusto y equipado con un sistema de montaje de sobremesa antirrobo, tiene su sitio en cada mesa, incluyendo en la educación.

Características Principales

- **Diseño Consistente** – Modero S tiene un estilo elegante que complementa al diseño de los Modero X, con un estilo coherente que combina perfectamente con ellos, y que se ajusta a instalaciones de todo tipo y presupuesto
- **Opciones de Montaje Seguro para Mesas** – Una bella placa de montaje de seguridad une los paneles táctiles de sobremesa Modero S a la mesa y los asegura con tornillos debajo de la misma a prueba de manipulaciones, por lo que es a prueba de robo, y si no es posible o deseable montar el panel táctil en la placa de seguridad, también se puede utilizar un bloqueo Kensington, o montar y utilizar el bloqueo para mayor seguridad
- **Potentes Gráficos** – *Powered by G4*, el Modero S Series dispone de transmisión de vídeo y brillante profundidad de color de 24 bits

Especificaciones

TOUCH SCREEN DISPLAY	
Display Type	TFT Active Matrix Color LCD with Fringe Field Switching (FFS) - Wide Viewing Angle Technology
Display Size (WH)	7.3" x 4.8" (186 mm x 122 mm), 8.8" (222 mm) diagonal
Viewable Area (WH)	6.05" x 3.54" (154 mm x 90 mm), 7.0" (178 mm) diagonal
Resolution (WH)	1080x600
Aspect Ratio (WH)	16:9
Brightness	400 cd/m2
Contrast Ratio	800:1
Color Depth	16.7M colors
Illumination	LED
Touch Overlay	Resistive
Viewing Angle	89°/89°/89°/89° (Up/Down/Left/Right)

MEMORY	
SDRAM	512 MB
Flash	4 GB
Maximum Project Size	2.4 GB flash available to user

COMMUNICATIONS	
ETHERNET	10/100 port, RJ-45 connector. Supported IP and IP-Based Protocols: UCP, TCP, ICMP, ICSP, IGMP, DHCP, Telnet, FTP, DNS, RFB (for VNC), HTTP
USB	(1) USB host 2.0, Type A port: firmware upgrade, touch panel file transfer, JPEG image viewer, HID peripherals, USB audio output for headsets

VIDEO	
Supported Video Codecs	MPEG2-TS: MPEG-2 Main Profile @High Level up to 720p at 25 fps (decode) MPEG-2-TS: H.264 High Profile@Layer 4, AAC-LC up to 720p at 25 fps (decode) MJPEG up to 720p at 25 fps (decode only)
Supported Video Transport Streams	MPEG-TS for MPEG2 and H.264; HTTP for MJPEG
Max Number of Active Video Streams	One decode

AUDIO	
Microphone	-42dB ± 3dB sensitivity FET microphone
Speakers	4 ohm, 1.5 Watt, 500Hz cutoff frequency
Supported Audio Codecs	MP2 Layer I and II, MP3 (8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz) AAC-LC (8 kHz, 96 kHz) G.711 with μLaw (VoIP encode/decode at 8kHz)
Audio Output	USB Audio out USB port (head/hand set support)
File Formats	WAV, MP3 (as part of touch panel file only - no USB storage)
Intercom	Full Duplex VoIP, SIP v2.0 (supported with AMX-CSG)

GRAPHICS ENGINE	
AMX G4	AMX's exclusive, powerful G4 graphics engine – the

	driving force behind the advanced graphics and image processing capability on a variety of AMX Touch Panels and other devices (see TPD4 Operations Guide for more information)
EMBEDDED APPLICATIONS	
Remote Management	VNC Server, G4 Web Control
Panel-to-Panel Conferencing	Receives audio and video and returns audio for panel-to-panel communication
Audio Conferencing	Audio (full duplex intercom)
FRONT PANEL COMPONENTS	
Sleep Button	Sleep button to activate sleep mode and powering off. Also provides access to setup pages (can be disabled)
CONNECTIONS	
Ethernet	10/100 port, RJ-45 connector
USB	(1) USB host 2.0, Type A port
Power	PoE (Power over Ethernet), 802.3af, class 0
ENVIRONMENTAL	
Temperature (Operating)	32° F to 104° F (0° C to 40° C)
Temperature (Storage)	4° F to 140° F (-20° C to 60° C)
Humidity (Operating)	20% to 85% RH
Humidity (Storage)	5% to 85% RH
Power ("Heat") Dissipation	On: 27.3 BTU/hr Standby: 10.9 BTU/hr
GENERAL	
Dimensions (HWD)	4 1/2" x 7 3/8" x 3 3/16" (115 mm x 188 mm x 81 mm)
Weight	9.4 lbs (4.26 Kg)
Power Consumption	Full-On: 13 W (max) Typical: 7 W Standby: 4.5 W Shutdown: 0.7 W
Start-Up Inrush Current	Not applicable due to PoE standard
External Power Supply Required	Optimal performance requires use of one of the following AMX PoE power supplies (not included): PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83) NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63) AMX does not support the use of non-AMX power supplies
Certifications	FCC Part 15 Class B C-Tick CISPR 22 Class B CE EN 55022 Class B and EN 55024 CE EN 60950-1 IC CISPR 22 Class B VCCI CISPR 22 Class B RoHS/WEEE compliant
Included Accessories	MXA-USB-C, USB Port Cover Kit, Modero X Series Touch Panel (FG5968-18)
Optional Accessories	MXA-MP, Modero X/S Series Multi Preview (FG5968-20) MXA-MPL, Modero X/S Series Multi Preview Live (FG5968-10) PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)

	NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63) MSA-STMK-07, Secure Table Mount Kit 7" Modero S Tabletop (FG2265-17) MXA-CLK, Modero X/S Series Cleaning Kit (FG5968-16) MXA-USB-C, USB Port Covers (FG5968-18)
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Para más información, visite: <http://amx.com.es/?portfolio=mst-701>



Sobre AMX

Las soluciones de software y hardware de AMX simplifican la manera en la que la gente interactúa con la tecnología. Con un continuo incremento del número de tecnologías presentes en el trabajo y el hogar, AMX soluciona la complejidad de la gestión de toda esta tecnología con sistemas fiables, potentes y escalables. Sus premiados productos se extienden desde el control y la automatización, a la conmutación, el audio y vídeo distribuido, el Digital Signage y la gestión de la tecnología. Todos ellos implementados por todo el mundo en salas de conferencias, hogares, universidades, centros de operaciones, hoteles, recintos de espectáculos, instalaciones de broadcast y otros. AMX fue fundada en 1982 y es miembro de grupo de compañías Duchossois. Está presente en España desde 1993 y es el Sistema de Control con mayor número de instalaciones funcionando en nuestro país, estando presente en todos los grandes recintos, edificios y eventos.

Las especificaciones están sujetas a cambios. Revisado el 22-octubre-2013.

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JBL® CONTROL® ONE

2-way satellite speaker

With a compact, two-way design in the JBL® professional tradition, Control® series monitors take true studio sound to places where only boom boxes have been before. The Control One speaker (available in black or silver) is the original versatile and rugged monitor loudspeaker. For music or movies, these speakers cram more than 60 years of JBL expertise into an unobtrusive package.

SPECIFICATIONS

Description:	2-way satellite speaker
Frequency response:	50Hz – 20kHz (±3dB)
Power handling:	200 watts peak, 50 watts continuous
Amplifier output:	N/A
Low-frequency drivers:	Single 4" (100mm), magnetically shielded
High-frequency drivers:	Single 1/2" (12mm), titanium-laminate, magnetically shielded
Sensitivity (2.83V/1m):	89dB
Nominal impedance:	8 ohms
Dimensions (H x W x D):	9" x 6-1/8" x 5-1/2" (228mm x 155mm x 139mm)

Finishes:



JBL CONTROL ONE

2-way satellite speaker



HIGHLIGHTS

- Compact design and unobtrusive footprint
- Outstanding JBL performance
- Easy setup and use
- Wall-mounting system included

KEY SPECIFICATIONS

- Finish: Black and silver
- High-frequency drivers: Single 1/2" (12mm) titanium-laminated dome, magnetically shielded
- Low-frequency drivers: Single 4" (100mm), magnetically shielded
- Frequency response ($\pm 3\text{dB}$): 50Hz – 20kHz
- Use them in traditional stereo setups, for home theaters or for whole-house-music and background-music systems

FEATURES

Enjoy great JBL sound around your home

- Add surround speakers to your home theater system
- Connect to your computer and enjoy your music library anywhere in your home

Outstanding JBL performance

- 4" (100mm) poly laminate woofer produces a rich, deep bass response
- 1/2" (12mm) titanium-laminate tweeter delivers sparkling, clear high frequencies throughout the listening room
- Easy to set up and use



HARMAN Consumer, Inc.
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Features, specifications and appearance are subject to change without notice.

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