



VISUAL PRESENTER Accessories

MX-1 CONNECT BOX

取扱説明書

ご使用になる前に本取扱説明書をよくお読みください。

INSTRUCTION MANUAL

Please read this instruction manual carefully before using this product.

MANUEL D'INSTRUCTIONS

Veuillez lire attentivement ce manuel d'instructions avant d'utiliser ce produit.

BEDIENUNGSANLEITUNG

Bitte lesen Sie dieses Bedienungshandbuch aufmerksam durch, bevor Sie dieses Produkt benutzen.

日本語

English

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■ IMPORTANT SAFEGUARDS

■ Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

■ Retain Instructions

The safety and operating instructions should be retained for future reference.

■ Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

■ Follow Instructions

All operating and use instructions should be followed.

■ Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

■ Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

■ Water and Moisture

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

■ Placement

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

■ Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

■ Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home consult your appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

■ Grounding or Polarization

This product may be equipped with either a polarized 2-wire AC line plug (a plug having one

blade wider than the other) or a 3-wire grounding type plug, a plug having a third (grounding) pin. The 2-wire polarized plug will outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. The 3-wire grounding type plug will fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

■ Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

■ Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

■ Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

■ A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



■ Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

■ Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

■ Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.

- When the product exhibits a distinct change in performance - this indicates a need for service.

■ Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part.

Unauthorized substitutions may result in fire, electric shock or other hazards.

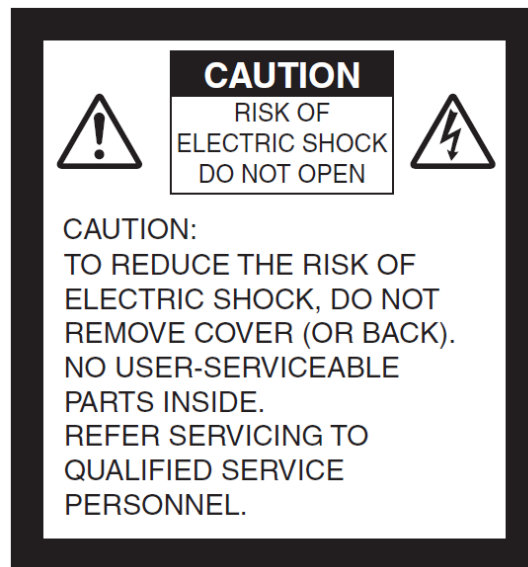
■ Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

■ Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

- This product includes a Fluorescent Lamps component that contains mercury. Please consult your state and local regarding proper disposal or recycling, and do not place in the trash.



日本語

English

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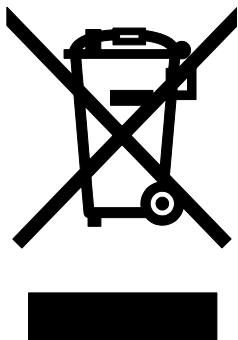
SA 1965

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



SA 1966

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries. Please do not throw the equipment into the domestic refuse. Please use the return and collection systems available in your country for the disposal of this product.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification or Declaration of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FOR UNITED STATES USERS: INFORMATION

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

USER-INSTALLER

CAUTION:

Your authority to operate this FCC verified equipment could be voided if you make changes or modifications not expressly approved by the party responsible for compliance to Part 15 of the FCC rules.

BEFORE YOU USE

- Be sure to use the connection cable and the AC adapter supplied with the product.
- The supplied power cable, the AC adapter, and expansion cable are designed to be used for the product only. Do not use them for other products.
- Be sure to use the AC adapter applicable to your local power specifications. If the product was sold in Japan, use the AC adapter sold with the product with 100 VAC and 50 or 60 Hz.
- When storing the product, do not leave it under direct sunlight or by heaters. It may be discolored, deformed, or damaged.
- Do not place the product in any humid, dusty, salt bearing wind, or vibrating locations. Use it under the following environmental conditions:
 - Temperature: 0°C - 40°C
 - Humidity: 30% - 85% (No condensation)
- Use a soft, dry cloth for cleaning.
 - Do not use any volatile solvent such as thinner or benzene.
- Follow the guidelines below to prevent the product from dropping or overturning.
 - Use the product on a stable base, desk, or table. Do not place the product on an unstable base or slanted location.
 - Place or wire the product to prevent the power cable, the AC adapter or the video cable from pulling.
- Pay careful attention when using (including setting-up and storing) or carrying the product.
- If the product is used for longer than the warranty period, its performance and quality may deteriorate due to the lifetime of its parts. For parts replacement (on chargeable basis), consult the dealer from whom you purchased the product or our branch/office near your location.
- The contents of this document are subject to change without notice. The latest version can be obtained from the following MX-1 Official Website:
 - <https://www.elmoussa.com/>
- It is prohibited under copyright law to use or copy any part or the whole of this document without our prior written consent.
- ELMO shall not be liable for any claim for damage or loss of earnings or any claim raised by a third person due to the use, malfunction or repair of the product.

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日本語

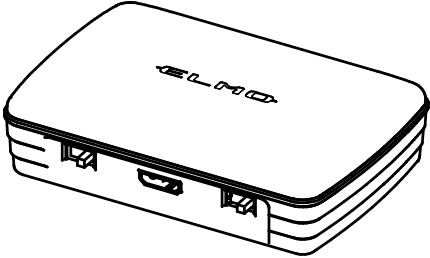
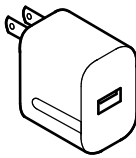
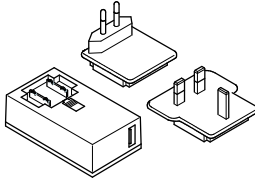
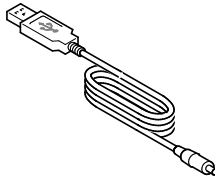
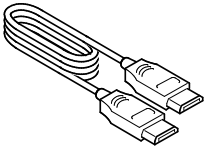
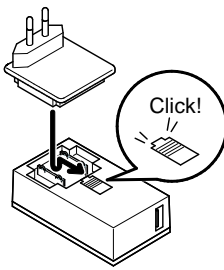
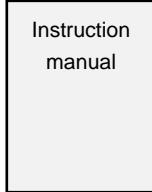
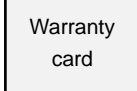
English

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1 PACKAGE CONTENTS

The items below are included with the product. If any item is missing, contact the dealer from whom you purchased the product.

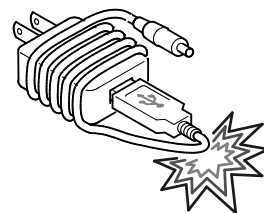
MX-1 CONNECT BOX 		AC adapter (For input voltage 100-120 volts) 	AC adapter (For input voltage 220-250 volts) 
DC power cable 	Expansion cable for MX-1 	 <p>Press and slide the plug into the groove of the AC adapter as shown in the drawing. *Slide it until it clicks. *Choose the correct plug according to the outlet. When removing the plug from the AC adapter, slide and pull the plug in the opposite direction while pressing the lock button.</p>	
Instruction manual 	Warranty card (Only Japan and North America) 		

■ABOUT MX-1 CONNECT BOX

By connecting the MX-1 to the MX-1 CONNECT BOX, you can display the camera image to a projector or monitor. The MX-1 does not have HDMI port and RGB port. The MX-1 CONNECT BOX allows you to use HDMI port and RGB port with the MX-1.

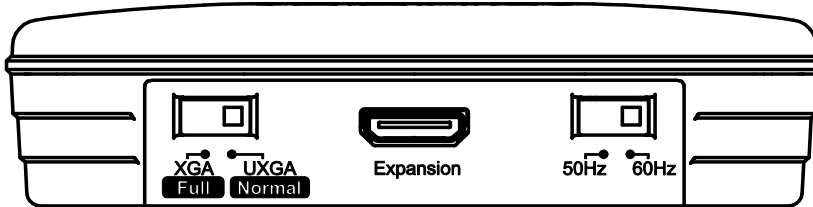
Caution

Do not wrap the power cable tightly around the AC adapter while the power cable is connected to the AC adapter. The cable could be damaged (disconnected) or the inside of the cable could be exposed and result in an accident.



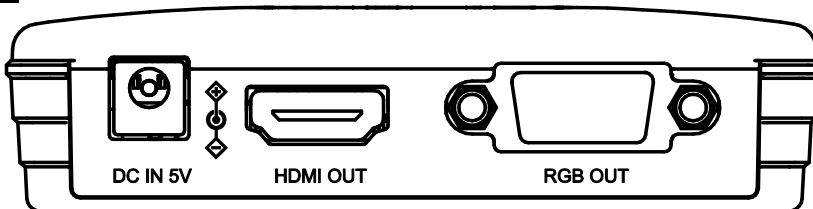
② CONNECTING THE MX-1 CONNECT BOX

FRONT



	Mark	Function	Description
①		Resolution/Output mode selection	To change the resolution and output mode. When connecting RGB only : XGA⇔UXGA When connecting HDMI : Full⇔Normal
②		Port for the Expansion cable	To connect to the MX-1 via the Expansion cable for the MX-1. (Expansion cable for MX-1 is included.)
③		Flicker correction	Select the same value as used for the power supply frequency. (50Hz / 60Hz) ※The setting set by the slide switch has the priority over the setting set by the MX-1.

REAR



	Mark	Description
①		To connect the supplied DC power cable.
②		To output digital images by connecting to a monitor via the HDMI cable. (The HDMI cable is not included.)
③		To output RGB images by connecting to a monitor via the RGB cable. (The RGB cable is not included.)

VIDEO OUTPUT AND CAPTURE SIZE

The video output of the MX-1 varies according to the status of the Resolution/Output mode and whether the MX-1 CONNECT BOX is used or not. The MX-1 can capture aspect ratio ①. Pay attention to the shooting conditions.

◆Video output when using the MX-1 CONNECT BOX

MX-1 CONNECT BOX	Output
With MX-1 CONNECT BOX	RGB
	HDMI
Without MX-1 CONNECT BOX	USB only

◆RGB output and HDMI output when using the MX-1 CONNECT BOX

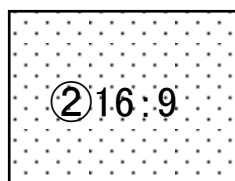
- The video output is automatically set to 720p when a monitor which does not support 1080p is connected.
- When HDMI output is possible, both RGB output and HDMI output are output in the same resolution.

Slide Switch	XGA/Full		UXGA/Normal	
HDMI connection	Yes	No	Yes	No
RGB output	1080p	XGA	1080p	UXGA
HDMI output	or 720p		or 720p	

Aspect ratio




Full



Normal

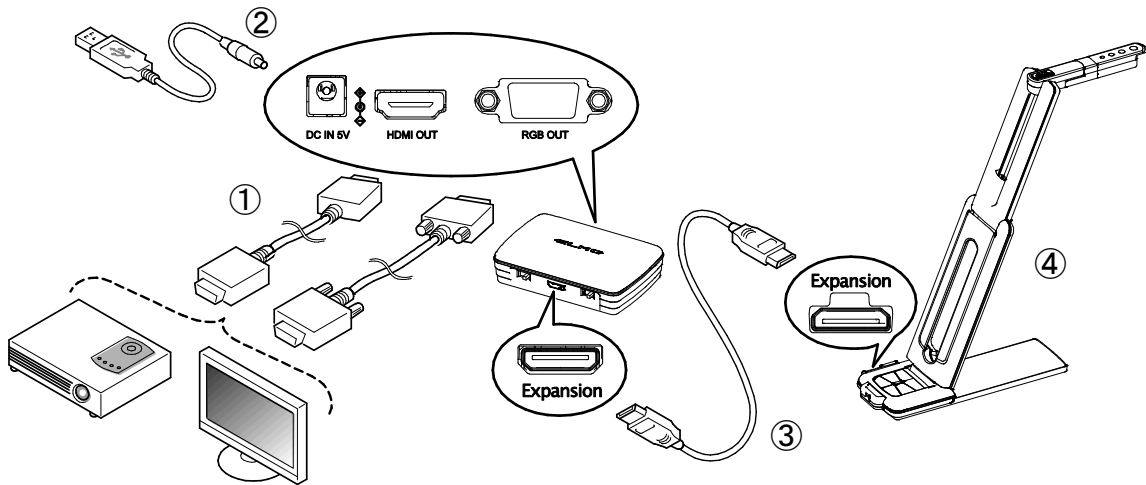
	Aspect ratio	
	XGA/Full	UXGA/Normal
HDMI	①	②
RGB	①	①
HDMI+RGB	①	②


※When video output is HDMI,  works as the selection switch between Full and Normal.

※Setting method of arms, The maximum angle of view capture will change.

■ CONNECTING TO A PROJECTOR OR MONITOR

By using the MX-1 CONNECT BOX, you can connect the MX-1 to a projector or monitor.

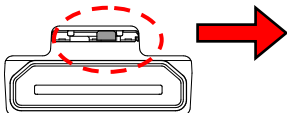






- ① Connect a projector or monitor to the MX-1 CONNECT BOX via the HDMI cable or RGB cable.
- ② Connect the supplied DC power cable to []. Connect the USB plug to the AC adapter. Then connect it to the wall outlet.
- ③ Connect the MX-1 to the MX-1 CONNECT BOX via the supplied Expansion cable.
- ④ The MX-1 and MX-1 CONNECT BOX will be powered on. (LED of MX-1: Blue lighting)

③ TROUBLE SHOOTING

■ SYMPTOMS AND CONFIRMATION

Check the following items. If any abnormality is found, consult the dealer from whom you purchased the product or our nearest branch/office.

Symptom	Possible cause/ remedy
No image is displayed.	<ul style="list-style-type: none"> • The cable is not correctly connected. • The AC adapter is disconnected from the wall outlet. • The AC adapter is disconnected from the power supply socket of the unit. • Zoom is set at TELE side, displaying only the white or black part of the document. • If you turn the power ON immediately after turning it OFF, the unit may not start. Wait for several seconds after turning the power OFF, and then turn it back ON. • The output setting does not match the cable connected to the unit. Set the correct output setting. • Reconnect the AC adapter and the power cable. • The monitor is not turned on. • The input source of the monitor is not set correctly. • The switch in the side panel is set to the left. Make sure that the switch is set to the right. 
The output image (resolution) changes automatically.	<ul style="list-style-type: none"> • When the HDMI monitor is connected to the MX-1, the output image (resolution) is automatically changed based on information from the connected monitor.
The image is out of focus.	<ul style="list-style-type: none"> • The document (object) is too close to the lens. Move the document (object) slightly away from the lens.
The image is too dark.	<ul style="list-style-type: none"> • The intensity of the lighting is insufficient. Set the MX-1 to the Brightness mode from the Operating panel and adjust the brightness by pressing  button. Or set the MX-1 to the Zoom mode and turn on the LED lighting by pressing  button (short press).
The image does not move.	<ul style="list-style-type: none"> • The "Freeze" function is selected by pressing  button on the Operating panel of the MX-1. Cancel the freeze status by pressing  button again.

4K image cannot be displayed.	<ul style="list-style-type: none"> 4K image can only be output from a computer connected via the USB. The computer needs to be able to output 4K image. Install Image Mate 4 (which supports the MX-1) to such computer and use it to view 4K image.
The image is striped.	<ul style="list-style-type: none"> This may be interference fringes between dots of printed matter and TV scanning lines or CMOS pixels. Changing the shooting range of the MX-1 may improve the problem. Vertical stripes may appear on the LCD projector screen. This phenomenon can be mitigated by adjusting the dot clock manually from the projector. The image may be distorted when shooting a monitor screen with the MX-1 while the live image feed is displayed. The shooting environment is too dark. Adjusting the brightness in the Brightness adjustment mode may improve the problem.
There is a distortion of the image.	<ul style="list-style-type: none"> Reducing the resolution of the MX-1 may improve the distortion of the image.

About long-term usage of this product

Due to the lifetime of its parts, if the product is used for longer than the warranty period, its performance and quality may deteriorate. In this case, we will replace the parts for a charge. Consult the dealer from whom you purchased the product or our nearest branch/office.

④ SPECIFICATIONS

Item	Specifications
Power source	DC5V (AC adapter AC100 ~ 240V)
Power consumption	4.6W (MX-1 with MX-1 CONNECT BOX connected)
Outside dimensions	D 64.2 (61.1 when projecting parts are excluded) × W 92.2 × H 23 [mm]
Weight	Approx. 75g (Main body only)
Output terminal	RGB Out Mini Dsub 15P connector female × 1
	HDMI Out TypeA Standard terminal × 1
Input terminal	19P In-Out terminal for connecting the MX-1 × 1

5 TRADEMARKS AND LICENSES

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ATTENTION

- Unless used for personal use, it is prohibited by copyright law to record slides, books and photos without the prior consent of copyright holder.
- This product is designed to be used in industrial environment. If it is used in a residential area or in an adjacent area thereto, harmful interference to radio or television reception may occur.
- Repair parts
Repair parts are the items which are needed to maintain product functionality. The holding period of such repair parts is 3 years after the product discontinuation, which is equal to the repair period we will accept.
- Any image, which is obtained by this product, and which can be identified, is considered to be private information. Be forewarned that the person who makes use of such images shall be liable for disclosing of such images.

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