

CVAS PROGless

EBISS-TPC07

INSTRUCTION MANUAL

■ TABLE OF CONTENTS

■ TABLE OF CONTENTS	2
■ IMPORTANT SAFEGUARDS	3
Usage Precautions	6
Product Features	8
❶ Before Use	9
◆ Package contents	9
◆ Part names	10
❷ Preparation and Connection	11
◆ Power on	11
◆ Importing edit data	12
◆ Connecting IFBOX and TPC07	13
◆ Installation	14
◆ Using VESA-compliant holes (75 x 75mm)	15
❸ Using the TPC	16
◆ What you can do with the TPC	16
◆ How to update tpc application	17
◆ How to reset tpc	19
❹ Troubleshooting	20
❺ Specifications	21
■ Trademarks and Licenses	22



■ IMPORTANT SAFEGUARDS

Please read all precautions and warnings before starting to use the product.








The information is provided to ensure proper operation of this product and will prevent you or others from personal injury or loss of assets.

Review the following symbols so that you understand them before reading the rest of the manual.

Please read carefully and keep the manual in a safe place for future reference.

	Warning	Ignoring the warning and operating the system incorrectly subjects the user to possible risk of injury or death.
	Caution	Ignoring the warning and operating the system incorrectly subjects the user to risk of injury or loss of assets.

Meaning of Symbols

	Name: Caution Meaning: Indicates that the user must, without fail, pay careful attention to any sentences or illustrations marked with a Caution symbol.
	Name: Prohibited Meaning: Indicates that the user must pay careful attention to any sentences or illustrations marked with a Prohibited (do not do) symbol.
	Name: Do not use in a bathroom or shower cubicle Meaning: Indicates that using the product in a bathroom or shower cubicle could result in injuries through a fire or electric shock, and is strictly prohibited.
	Name: Do not touch Meaning: Indicates that touching the area could result in injuries through electric shock, and is strictly prohibited.
	Meaning: Do not disassemble Meaning: Indicates that disassembling the product could result in injuries through electric shock, and is strictly prohibited.
	Name: Compulsory Meaning: Indicates that the user must pay careful attention to any sentences or illustrations marked with a Compulsory (must do) symbol.
	Name: Disconnect the power plug and the AC adapter Meaning: Indicates that the user must disconnect the power plug from the outlet.

Warning



If for any reason smoke comes out of the product, or you notice any unusual odors or sounds, immediately disconnect the power plug, AC adapter and LAN cable.

Continuing to use the product while it is operating unusually could result in a fire or electric shock. Check that smoke is no longer coming out of the product, and then contact the dealer where you purchased the product to request maintenance.

Do not attempt to service this product yourself.



If for any reason liquid is spilled into the product, immediately disconnect the power plug, AC adapter and LAN cable.

Contact the dealer where you purchased the product immediately. Continuing to use the product in this condition could result in a fire or electric shock.



If for any reason foreign objects enter the product, immediately disconnect the power plug, AC adapter and LAN cable, and contact the dealer where you purchased the product immediately. Continuing to use the product in this condition could result in a fire or electric shock.

(Be extra careful if there are children in the area when using the product.)



If for any reason the product is dropped or the cabinet is damaged, disconnect the power plug, AC adapter and LAN cable, and contact the dealer where you purchased the product immediately. Continuing to use the product in this condition could result in a fire or electric shock.



If the power plug or AC adapter is damaged (e.g. if the inside of the cable is exposed or broken), contact the dealer where you purchased the product to request a replacement. Continuing to use the product in this condition could result in a fire or electric shock.



Do not remove the cabinet or cover from this product. Doing so may expose you to dangerous voltage and could result in electric shock.

Contact the dealer where you purchased the product for any internal inspections, maintenance, or repair.



Do not modify the product.

This could result in a fire or electric shock.



Do not place this product on an uneven surface or unstable stand.

It could fall or topple over and result in an injury.



Be sure to use the power plug and AC adapter supplied with the product.

Otherwise, it could result in a fire or electric shock.



Do not spill water or insert any foreign objects into the product.

This could result in a fire or electric shock.



Do not damage, process, pinch, twist, pull, or heat the power plug or AC adapter.

The cable could be damaged and result in a fire or electric shock.



Do not use in a bathroom or shower cubicle.

This could result in a fire or electric shock.



If there is dust on the prongs of the power plug or the attachment surface, disconnect the power plug, and then remove the dust.

The drop in insulation for the power plug could result in a fire.
















Do not touch the product, cables, power plug, or AC adapter during a thunder storm. This could result in an electric shock.



Do not place vases, flowerpots, cups, cosmetics, or other containers of chemicals or water or small metal objects on top of the product.

If liquid spills or foreign matter gets inside, it may cause a fire or electric shock.

Caution

	Whenever moving the product, disconnect the power plug, AC adapter, and LAN cable. Then move after confirming that all cables are disconnected. Otherwise, the cable could be damaged and result in a fire or electric shock.
	For safety reasons, be sure to disconnect the power plug, AC adapter, and LAN cable when performing a maintenance work. Otherwise, it could result in an electric shock.
	For safety reasons, if this product is not used for a long time, be sure to disconnect the power plug, AC adapter, and LAN cable. Otherwise, it could result in a fire.
	Do not disconnect the power plug and AC adapter by pulling the cable. By doing so may damage the cable and could result in a fire or electric shock. Disconnect them by pulling the plug.
	If the product is placed on a stand with casters, make sure the caster's brakes are on. It could result in an injury if it moves and falls.
	Do not place the product in a damp or dusty location. This could result in a fire or electric shock.
	Do not sit on, or place any heavy objects on, this product. Be extra careful if there are any small children in the area when using the product. It could result in an injury if it breaks.
	Do not place the power plug, AC adapter, and LAN cable next to a heater. The cable covering could melt and result in a fire or electric shock.
	Do not connect or disconnect the power plug, AC adapter, and LAN cable with wet hands. Otherwise, it could result in an electric shock.
	Make sure the plug is securely inserted into the socket. If it is not inserted correctly, it may generate excess heat or dust may come into contact, which could result in a fire. Also, touching a prong of the plug could result in an electric shock.
	Do not use a loose socket. Excess heat could be generated and result in a fire. Request a replacement socket from your dealer or electrical appliance store.
	Do not use the product outdoors. It could result in a fire or electric shock.
	Do not place the product in a location where it could be exposed to smoke, steam, or water droplets such as on a kitchen counter or near a humidifier. This could result in a fire or electric shock.

Usage Precautions

- Observe the contents of this guide. Failure to follow the precautions and warnings described in this guide may cause an accident.
- Be sure to use the AC adapter supplied with the product.
- The supplied AC adapter is designed for exclusive use with this product. Do not use it with other products.
- If you have any questions about how to use this product, contact the dealer where you purchased the product.
- The AC adapter appropriate for the country where it is used is supplied with the product.
- This product is designed to be used indoors. Do not use it outdoors.
- Do not push the touchscreen strongly or push it with a sharp object. The touchscreen may be damaged.
- Do not place this product in any humid, dusty, salt bearing wind, or vibrating locations. The operating environment conditions are as follows.
Temperature: 0 to 40°C
Humidity: 30 to 85% (no condensation)
- We do not guarantee the normal operation of the network function of this product in all network environments. It may not work properly depending on your network environment.
- Abnormal dots (dots that do not light up or dots that are always on) may be visible on a part of the touchscreen. They are phenomena peculiar to LCDs, not a malfunction.
- Remove the protective sheet from the touchscreen before starting to use it.

Storage and Maintenance

- Turn the power off before performing a cleaning. Use a soft, dry cloth for cleaning. Do not use any volatile solvent such as thinner or benzene.
- When storing this product, do not leave it under direct sunlight or by heaters. It may be discolored, deformed, or damaged.
- If water is spilled on the product, wipe it off with a dry cloth immediately. Pay particular attention to the salt water.
- Do not place the product on or near electrical appliances such as TVs and refrigerators.
- Be careful not to get sand or mud on it. It may cause an irreparable failure.

Other Precautions

- 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.
- Copyright
It is prohibited under copyright law to use or copy any part or the whole of this document without our prior written consent.
- The contents of this document are subject to change without notice.
The latest version of the instruction manual can be downloaded from:
<https://elmousa.com>
- Disposal of the product
Be sure to initialize the internal memory and delete all data before disposing of the product.

<Notes on data loss>

The contents recorded in the memory may be destroyed or erased due to wrong operation or defect of the product. We recommend that you backup important data onto the hard disk of your computer. Note that we are not liable for any damages or lost profits arising from loss of data caused by malfunctions, repairs by third parties not designated by us, or other reasons.



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.



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 accompanying the 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.

Disclaimer

- We are not liable for any damage caused by natural disasters such as earthquakes, lightning, fire, acts by third parties, other accidents, intentional or negligence of the customer, misuse, or use under other abnormal conditions.
- We are not liable for any incidental damage (loss of business profit, business interruption, change or loss of recorded data, etc.) resulting from the use or inability to use of this product.
- We are not liable for any damage caused by not observing the contents of this guide.
- We are not liable for any damage caused by malfunction or hang-up resulting from unintended combination with devices or software other than ours.
- We are not liable for any damage caused by repairs or modifications made by the customer or an unauthorized third party.
- Regarding this product, within the scope stipulated by law, our obligation to bear the cost shall be within the individual price of the product in any case.

Product Features

- By using a 7-inch touchscreen (EBISS-TPC07) and a compact I/F unit (EBISS-IFBOX) together, users can control or operate the connected devices with the touchscreen.

7-inch touchscreen

The body of the touchscreen is as compact as 7 inches.
It does not require a large space for installation.

Wire-saving design

Only a LAN cable is required between the touchscreen and I/F unit.
The power can be supplied from HUB (PoE compatible).



Compact I/F unit

The new I/F unit is about one-fourth the size of the current product (IF-6500).
It does not require a large space for installation.

Monitors, electric screens, projectors and room lightings can be controlled collectively with EBISS-TPC07 and EBISS-IFBOX. A total AV control system can be realized in university classrooms and corporate conference rooms.

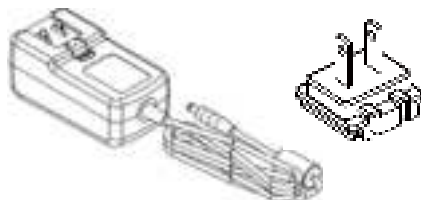
1 Before Use

◆Package contents

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



TPC07 (Main unit)



AC adapter / power plug



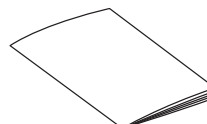
Hex wrench



Double-sided tape



Rubber foot x2



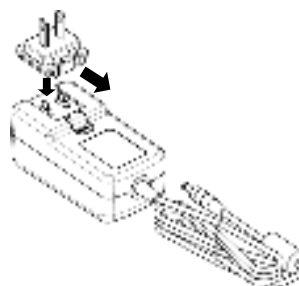
Quick Start Guide
(with Warranty Card)

●Assembly of AC adapter

Press and slide the plug into the groove of the AC adapter as shown in the drawing.

※Slide it until it clicks.

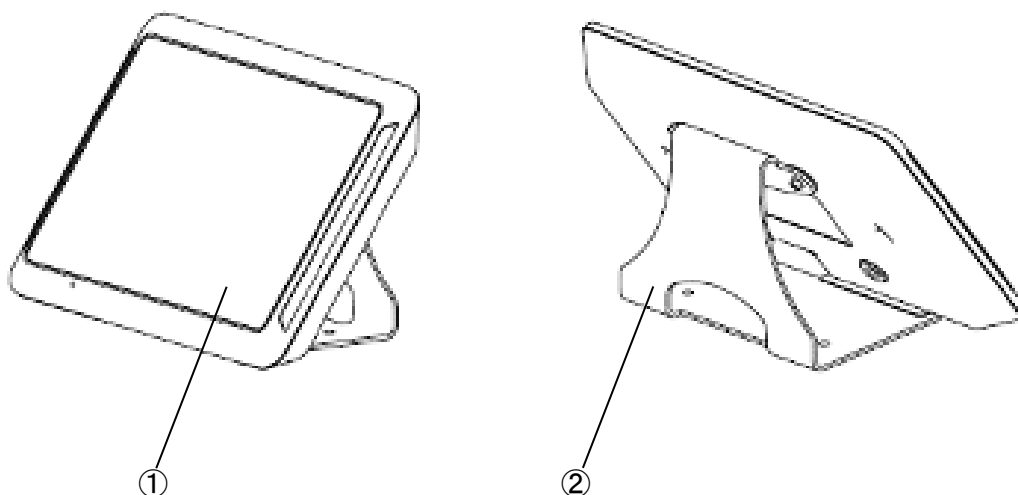
When removing the plug from the AC adapter, slide and pull the plug in the opposite direction while pressing the lock button.



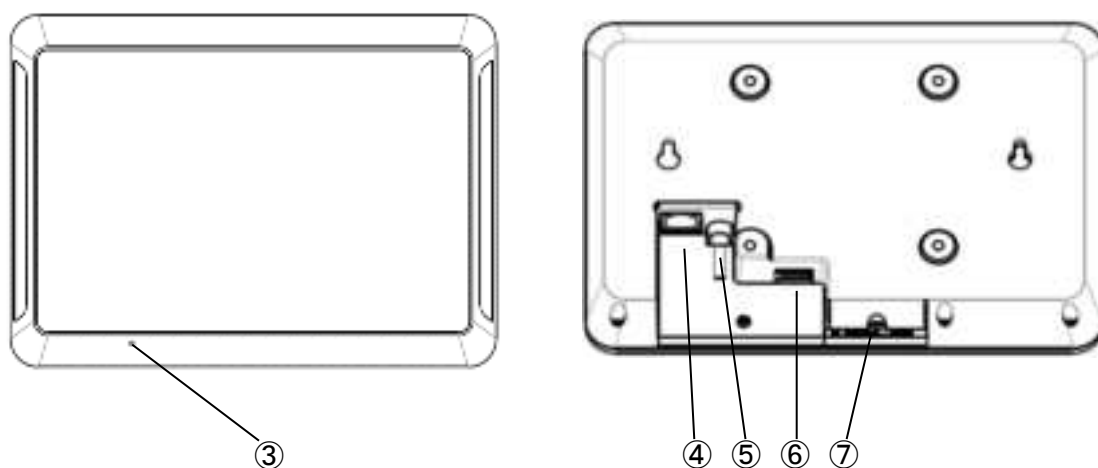
Caution

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.

◆Part names



Number	Name	Description
①	Touchscreen	The screen for operating the device is displayed. It is possible to control the device connected to the TPC07.
②	Stand	It is possible to fix the main unit to a desk using the stand. (⇒P.13) By removing the stand, it is possible to attach a VESA-compliant mounting bracket (commercially available) to the main unit. (⇒P.14)



Number	Name	Description
③	Reset switch	The TPC07 will be forcibly restarted if this switch is pressed with a fine-tipped object such as a pin, Use this switch if the TPC07 freezes.
④	LAN (PoE supported)	Port for Ethernet communication. (⇒P.12)
⑤	DC IN	Port for power supply. Connect the supplied AC adapter.
⑥	USB port	Port for connecting a USB flash drive (⇒P.11)
⑦	SD card slot	Slot for inserting an SD card. (⇒P.11)

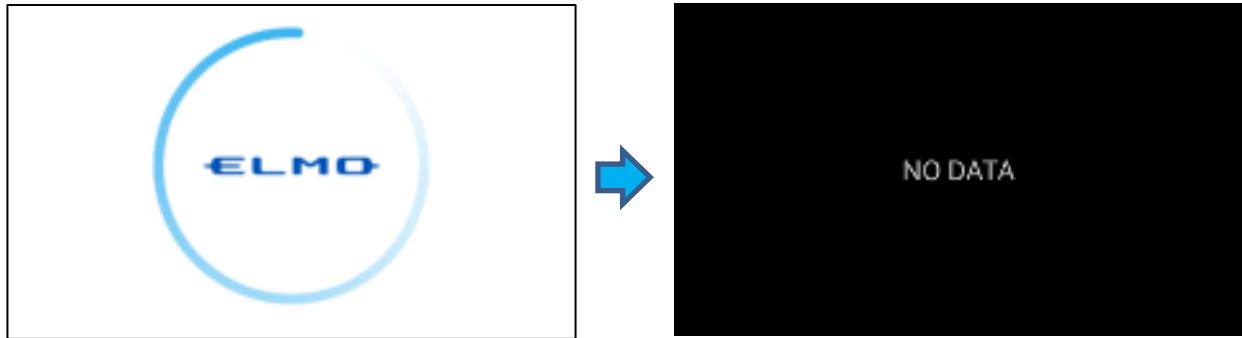
② Preparation and Connection

◆Power on

Connect the supplied AC adapter and the main unit. Then connect the AC adapter to the wall outlet.

When the power is turned on, the application starts up after the Startup screen with [ELMO logo] is displayed.

Since there is no data to display in the initial state, a message “NO DATA” is displayed.



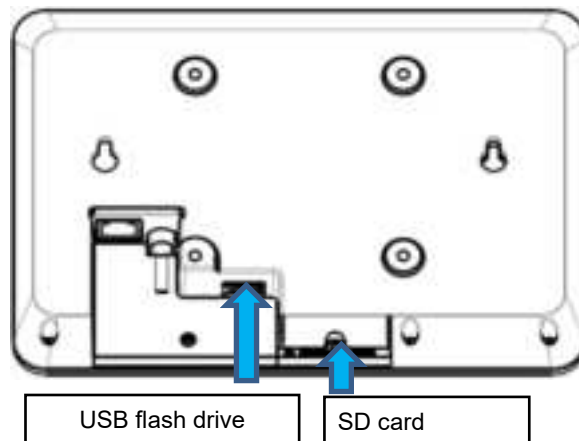
Caution: Do not turn off the TPC07 or press the Reset switch while the Startup screen with [ELMO logo] is displayed.

Note

- To turn off the power, disconnect the AC adapter or LAN cable (when PoE power supply is used).
- To restart, press the Reset switch on the front of the main unit or disconnect and reconnect the AC adapter or LAN cable (when PoE power supply is used).

◆Importing edit data

Insert the USB flash drive or SD card containing the edited data into the main unit.



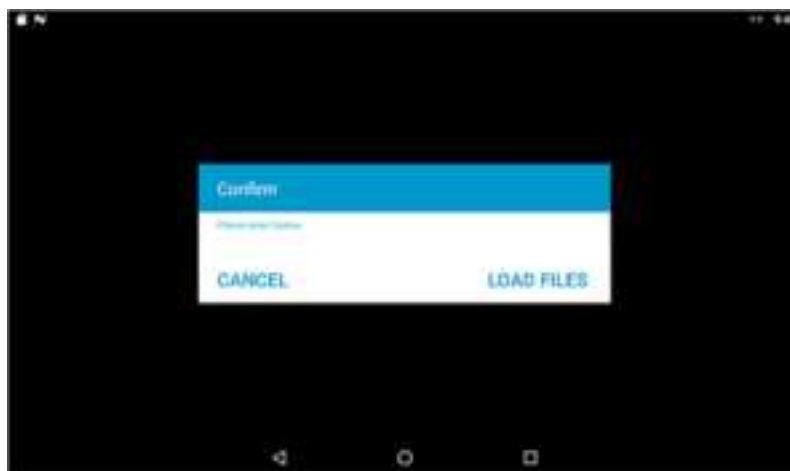
Note

- Only FAT32 format (32G or less) USB flash drive can be used.
- SD card or SDHC card (both 32G or less) can be used. SDXC card (64GB or more) cannot be used.

Note

- The SynCVAS Designer, a screen editing software, is used for screen editing.
- Refer to the SynCVAS Designer instruction manual for how to create edit data and how to download data from a computer to a USB flash drive or SD card.
- The SynCVAS Designer instruction manual is not included with this product. Contact the dealer where you purchased this product for the instruction manual.

The following message is automatically displayed on the screen of the main unit.
Select "Import File".



In about 3 seconds, the screen created with the edit data is displayed.

Caution

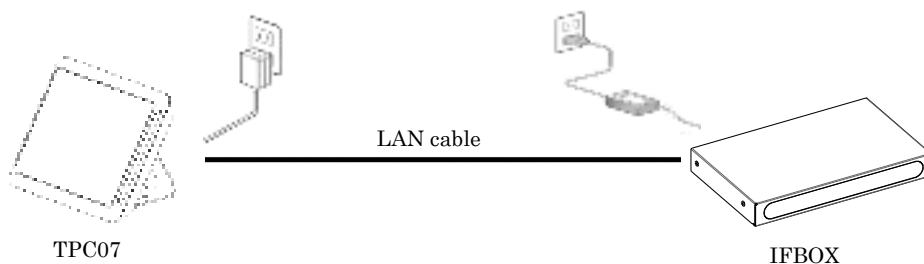
Do not disconnect the USB flash drive or SD card until the created screen is displayed.

◆Connecting IFBOX and TPC07

Connect the TPC07 and the separately sold IFBOX.

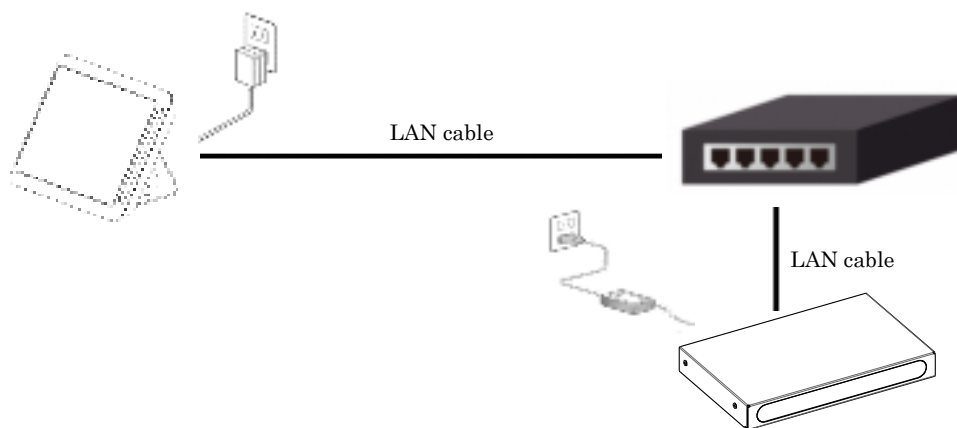
A: When connecting them directly

Connect the AC adapter to each device and connect them with LAN cable.



B: When using a switching hub (non-PoE)

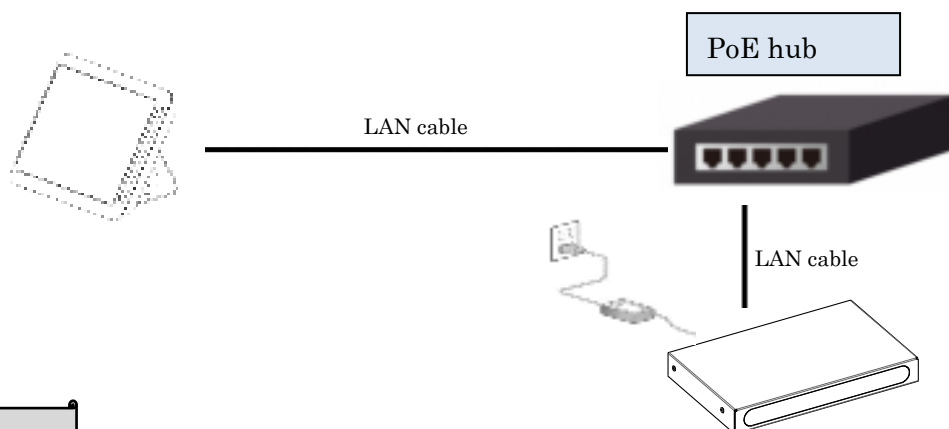
Connect the AC adapter to each device. Then connect the IFBOX, TPC07, and a hub with LAN cable.



C: When using a switching hub (PoE supported)

When using a switching hub that supports PoE power supply, the AC adapter is not required for the TPC07.

For the IFBOX, the AC adapter is required.



Note

- The default IP address is 192.168.1.99.
- For details of the system configuration, IP address settings, and brightness settings, contact the dealer where you purchased the product.
- Use a straight LAN cable for hub connections.

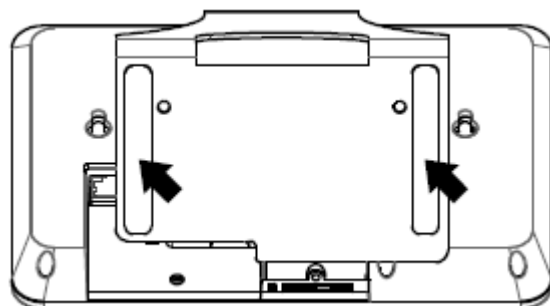
◆Installation

The TPC07 can be installed or fixed in the following 3 ways.

Choose any way according to the usage environment.

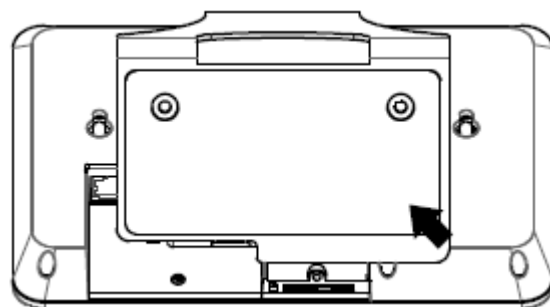
A: Installation without fixing to the installation surface

Attach the included rubber foot (2pcs) to the stand.



B: Installation by fixing to the installation surface with double-sided tape

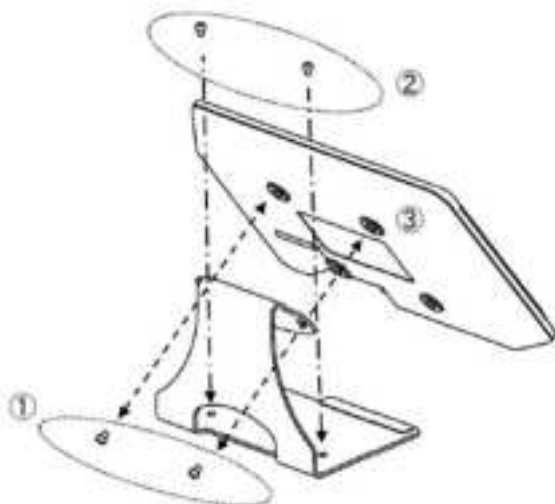
Attach the included double-sided tape to the stand. Then, fix the main unit to the installation surface with the tape.



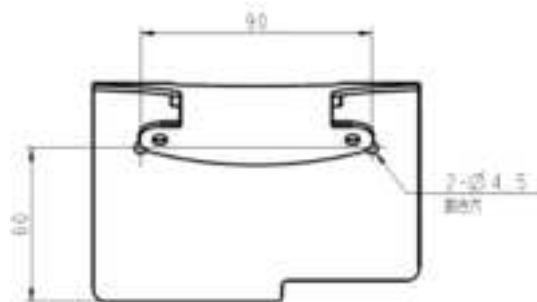
C: Installation by fixing to the installation surface with screws

- ① Remove the screws with the included hex wrench and remove the stand.
- ② Fix the stand to the installation surface with commercially available screws.
(* Fixing screws are not included. Use the screws with nominal diameter 4.
Select the screws according to the material of the installation surface.)

- ③ Attach the stand and the main unit with the removed screws.



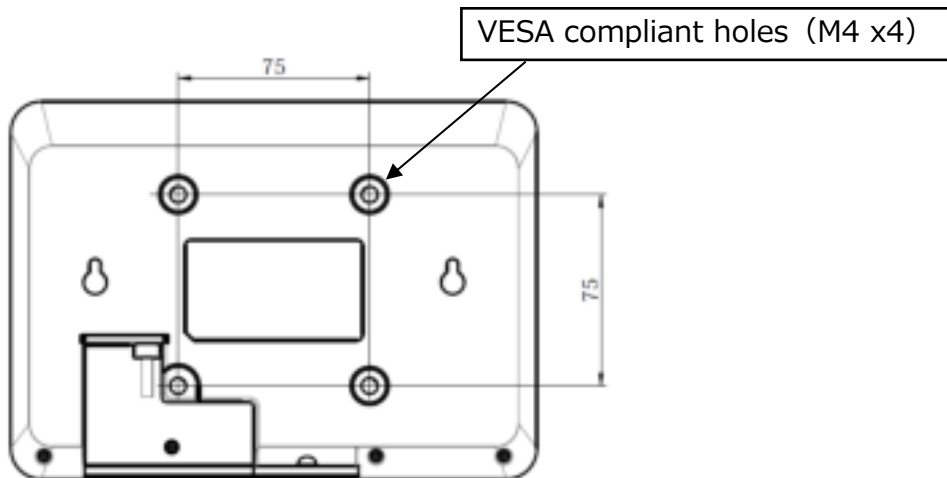
Dimensions of screw holes of the stand



◆Using VESA-compliant holes (75 x 75mm)

The stand can be removed by unscrewing the screws with the included hex wrench.

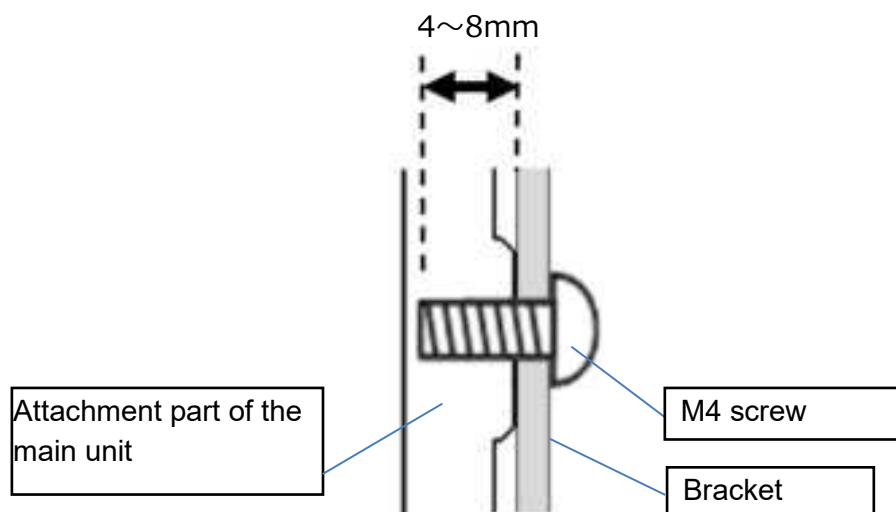
Using the VESA-compliant holes of the main unit, a VESA-compliant mounting bracket (commercially available) can be attached.



The main unit weighs about 750g. Select the mounting bracket according to the weight and installation condition of the main unit.

When selecting the mounting bracket, consider the weight of the power cable and LAN cable to be connected.

To attach the bracket, use a M4 screw whose length is 4 to 8 mm longer than the thickness of the bracket.



Caution

- Select the mounting bracket, paying attention to the position and wiring of the power cable and LAN cable.
- Pay close attention to the strength of the wall or installation base and the strength of the mounting bracket.

③ Using the TPC

◆What you can do with the TPC

Screen control is performed based on the information of the content created by the editing software.

You can send contact output, RS-232C or infrared commands to the device via IFBOX.

You can send LAN commands or PJLink-compliant commands to the device.

The contents stored in the SD card can be imported in conjunction with the insertion detection.

You can install the application stored in the SD card with the built-in file management software.

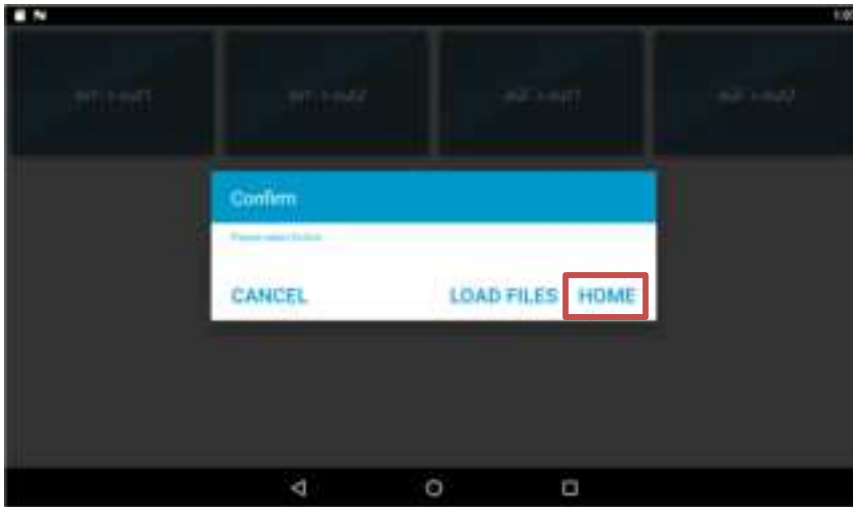
You can set the IFBOX using the browser app.

For details on screen control, refer to the SynCVAS Designer instruction manual.

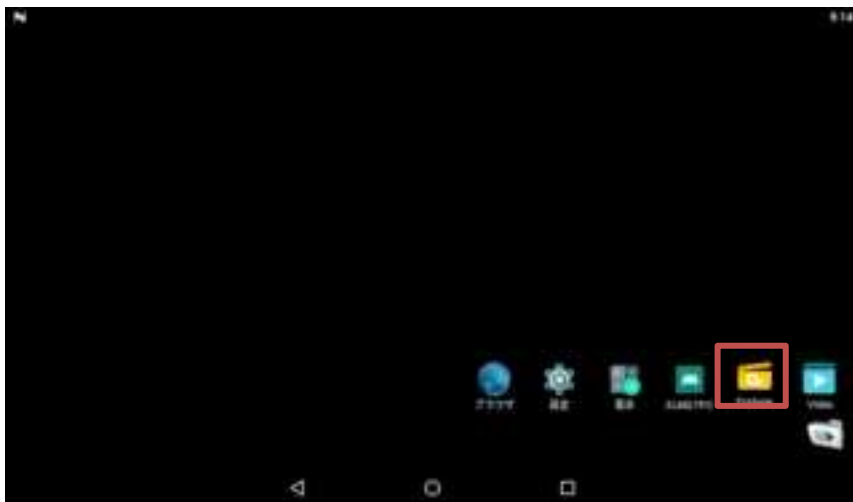
◆How to update tpc application

Prepare a USB memory or SD card and copy cvassetting.key to the SD card.

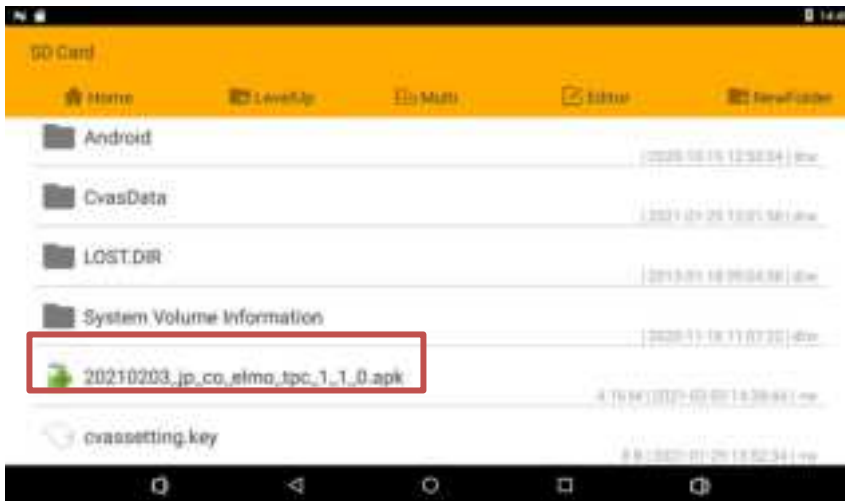
Start TPC and insert the SD card, the following screen will appear.



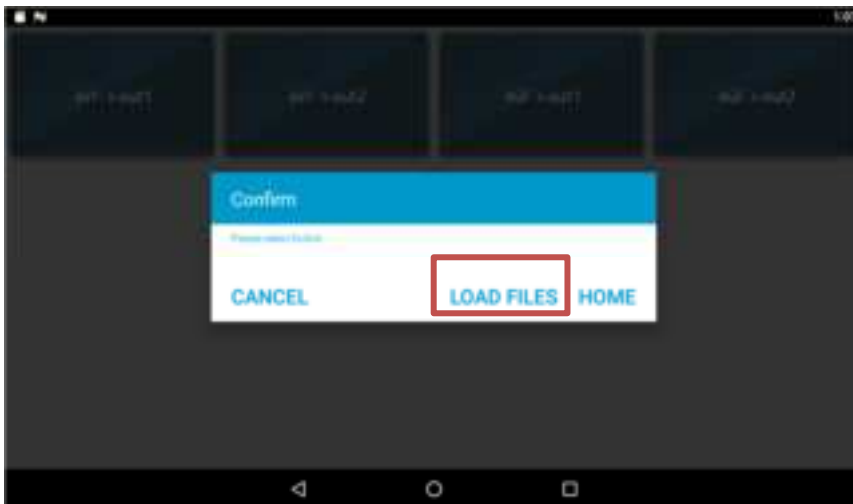
Tap the folder icon to start "Explorer"



Select SD Card from the list, select the apk to install and run.



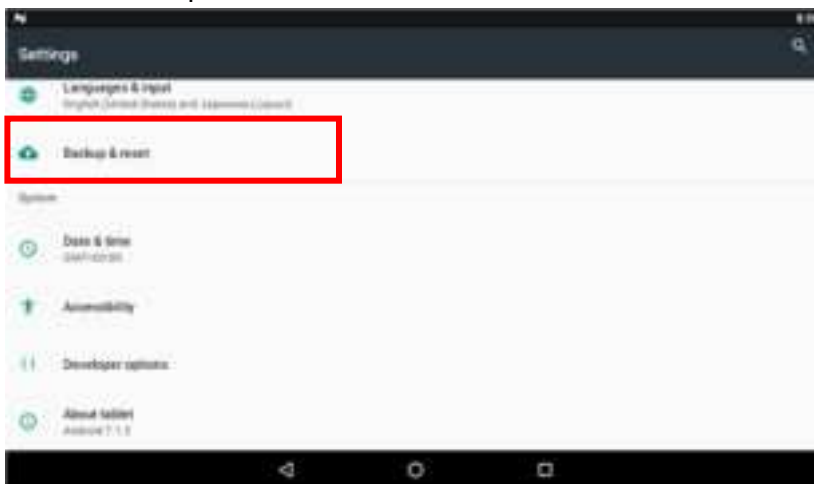
Please turn off the power after importing data after the installation is completed.



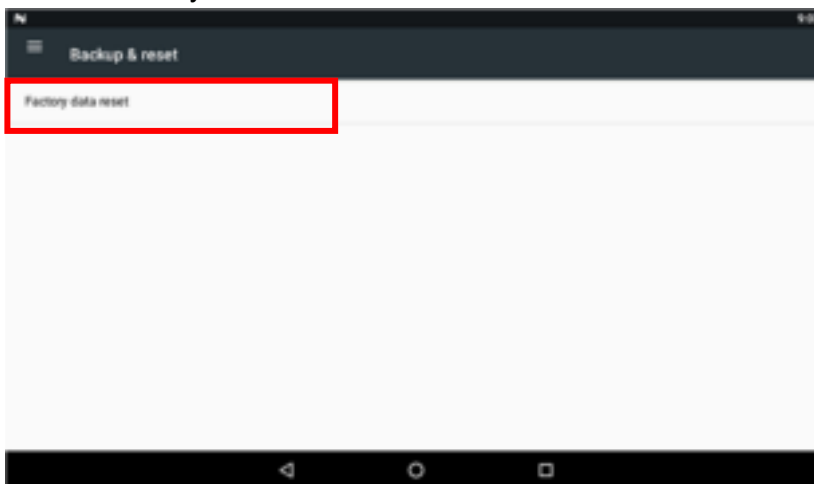
◆How to reset tpc

You can reset from the TPC settings..

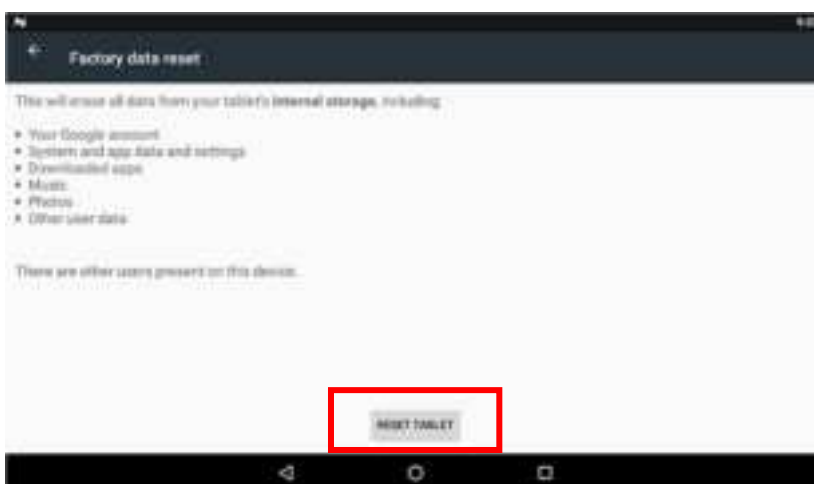
Select "Backup & reset".



Select "Factory data reset".



Push "RESET TABLET"



Press the "ERASE EVERYTHING" to start. Do not disconnect the power until the startup is completed as erasing will be executed after restarting.

4 Troubleshooting

◆Symptom, possible cause, and remedy

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

Symptom	Possible cause/ remedy
Cannot turn on the TPC07.	<ul style="list-style-type: none">•Is the PoE power supply working properly? Connect the AC adapter.•Is the AC adapter connected properly?•Are extension cords or power strips used? Do not use extension cords or power strips, but connect directly to a wall outlet.•Use other wall outlet.•Restart the TPC07 by pressing the Reset switch on the main unit.
The TPC07 does not respond.	<ul style="list-style-type: none">•Check whether the network connection is normal.•Check whether the connected device is turned on.•Check if there are any problems with the network configuration such as IP address conflicts. Restart the TPC07 by pressing the Reset switch on the main unit.
The edit data cannot be read.	<ul style="list-style-type: none">•Check the specifications of your SD card or USB flash drive (⇒ P.11) .

About long-term usage of the product

Due to the lifetime of its parts, if this 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 this product or our nearest branch/office.

⑤ Specifications

Item	Description
Model	EBISS-TPC07
Operating temperature/Humidity	0°C~40°C / 30%~80% (No condensation)
Power Source	DC 5V (from the supplied AC adapter) Power over Ethernet – Complies with PD(IEEE802.3af) Device Class 3
Power consumption	8.5W
Main unit control port	Ethernet×1 RJ45 connector 10Base-T/100Base-Tx
Interface	USB2.0 TypeA ×1 (for image data transfer) SD card slot ×1 (for image data transfer) Reset switch
Touchscreen	Screen size: 7 inch Resolution: 1024x600 Angle of view: vertical 160° / horizontal 160°
Mounting attachment	Complies with VESA 75x75mm (when not using the stand)
Outside dimensions	W: 206mm D: 104mm H: 125mm
Weight	Approx. 750g

■ Trademarks and Licenses

ELMO is the registered trademark of Techno Horizon Co., Ltd.

VESA is a registered trademark of Video Electronics Standards Association.

All other company and product names described in this manual are trademarks or registered trademarks of their respective companies.

Attention

Repair Parts

Repair parts are the items which are needed to maintain product functionality.

The holding period of such repair parts is 8 years after the product discontinuation, which is equal to the repair period we will accept.

TECHNO HORIZON CO., LTD.

2-13-1, Chikamatori, Minami-ku
Nagoya, 457-0071, Japan

OVERSEAS SUBSIDIARY COMPANIES

ELMO USA CORP.

Headquarters
1478 Old Country Road
Plainview, NY 11803, U.S.A.
Tel. (516) 501-1400 Fax.(516) 501-0429
E-mail: elmo@elmousa.com
Web: <http://www.elmousa.com>

ELMO Europe SAS

Headquarters
12 place de la Défense
Maison de la Défense
92974 Paris la Défense Cedex FRANCE
Tel. 33 (0) 1 73 02 67 06
Fax. 33 (0) 1 73 02 67 10
E-mail: info@elmoeurope.com
Web: <http://www.elmoeurope.com>

German Branch

Hansaallee 201, Haus 1
40549 Düsseldorf Germany
Tel. 49 (0) 211 544756 40
Fax. 49 (0) 211 544756 60

Middle East (Branch)

5WA-129, Dubai Airport Free Zone
P.O. Box 371556, Dubai
United Arab Emirates
TEL. +971-(0)4-260-2390
FAX. +971-(0)4-260-2392

6X1SCJ003-axx