HYOSUNG INNOVUE

Hero T MONIMAX5100TA

Installation Manual



V01.00

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Revision History

No.	Revision	Date	Change Summary	Chapters
1	V01.00	2023-08-11	The initial release	All



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Chapter I. Introduction

1 Introduction

1.1 Document Overview

This document informs as follows:

- · Hero T characteristics regarding site preparation and installation.
- · Requirements and responsibilities on the customer and HYOSUNG sides.
- · Procedural guides on how to install Hero T.



• The terms "Hero T, ATM, and Product" are interchangeably used throughout the document.

• The term "Customer" represents the owner or buyer of Hero T.

1.2 Audience

The target audience is as follows:

- Architects and customer staff who are responsible for the site construction and preparation before the product arrives on the site.
- ATM installation experts who are responsible for positioning and installing the ATM.

1.3 Safety Precautions

Common Safety Instructions



- Safety precautions outlined in this manual are for safe and proper product handling. Non-compliance with the safety precautions may result in injury or damage to the product.
- This precaution symbol with sample term indicates safety warnings during equipment handling.

Peruse the following instructions before operating the equipment/product.

- · Operate equipment in the order outlined in this manual.
- Follow the precautions described in this manual and the precautions attached to the equipment/product itself. Failure to follow these precautions may lead to personal injuries or product damage.
- · Avoid operations not mentioned in this manual.
- Contact the support centers listed in the manual if you can't fix installation issues using the instructions outlined in this manual.
- Note that the customer's authority to operate the product can be voided if someone changes or modifies construction/installation requirements without explicit approvals from the compliance authority.
 - Use only No. 26 AWG OR LARGER telecommunication cord to reduce fire risk.
 - · Be aware of the explosion risk if the battery is replaced with an incorrect type.



• The main sockets/outlets for the AC power supply must be installed near the product for the product's power cord to reach it easily.

• Dispose of the used batteries according to the instructions specific to the battery type.

- Secure the product in the building structure before any operations.
- You may install an optional security container with a secondary lock. However, be alerted that the improper use of the secondary lock feature can decrease the product's security level.

Precaution/Warning Symbols

See below for the symbols attached to the product.

Electrical Shock Warning

- Do not remove the cover. Only a maintenance engineer is allowed to open the cover.
- Do not touch. You may receive an electric shock.
- Make sure to turn off the power when servicing the equipment.

High Temperature Warning

Use Precaution when Moving

dropping the heavy equipment.

- Do not touch the equipment (the product's part/unit) when running.
- The equipment can get extremely hot and may cause a burn.
- · Make sure to close the cover before running the equipment.



Fire Hazard

equipment.

• Place the equipment in an area away from any combustible materials.

• The equipment is heavy. Make sure at least two people lift or move the

· Do not attempt to move the equipment alone. You may be injured from

• The equipment may catch fire from overheating or short circuits of the power supply unit.

· Do

Disassembly Warning

- Do not disassemble or modify the equipment unless you are a certified engineer.
- · Contact the service center for maintenance, adjustments, or repairs.
- Improper disassembly may cause fire or electrical shock.

Collapse Precaution

- Do not place the equipment where the floor cannot sustain the weight of the equipment. A slanted or unstable surface is prohibited.
- Equipment may fall and cause injury or damage.

Unplug the Equipment



- Stop using the equipment immediately if it smokes, emits an unusual smell, or makes abnormal sounds; stop using if liquids or other foreign materials enter the equipment.
- If the above mentioned abnormalities occur, immediately turn off the power, unplug the equipment, and then contact the service center.
- If you ignore these symptoms, the equipment may catch on fire or cause electric shock.

Chapter II. Site Preparation

1 Customer Responsibilities

1.1 Notice

This document is a contract that contains important warnings and gives you legal rights and obligations. Please read it carefully. As a Hyosung customer, you must ensure that all installation preparations meet the specifications and requirements of HYOSUNG TNS and follow all national, state/local codes, regulations, and laws.

You must install and use the product according to the manufacturer's instructions. However, we cannot guarantee that it will not interfere with radio communications in some commercial installations. If you experience interference, which you can check by turning the equipment off and on, please contact HYOSUNG TNS service representatives immediately.

1.2 Site Compliance

This document provides the compliance requirements you need to prepare for your site according to HYOSUNG TNS specifications and requirements. Following these specifications/ requirements is critical because it is very hard to identify and correct problems after the product has been installed.

Non-compliance with the requirements outlined in this document or failure to take appropriate measures to safeguard the product against identified risks may result in significant damage to the product and adverse effects on your business operations. In addition to adhering to these terms, it is imperative that all electrical wiring and mechanical systems comply with applicable codes, laws, and regulations.

You or your agent with expertise in electronic equipment must prepare the site. Customers are responsible for making sure that the site meets the requirements in this document.

Multiple chapters/sections in this document accompany lists conveying required items/actions you are usually responsible for preparing the site. These lists aren't complete and don't change or limit your responsibility for all aspects of site preparation.

HYOSUNG TNS staff can answer questions about this document unless:

a. The customer has received notification of available consultancy services and/or HYOSUNG TNS's willingness to conduct a preliminary or final site survey.

b. The customer has signed a formal contract with HYOSUNG TNS for the same provision. Any comments, suggestions, or advice given or not given by HYOSUNG TNS regarding site preparation or inspection should not be considered as approval of the site location or preparation.

HYOSUNG TNS is not responsible for any comments, suggestions, or advice from its staff or for failing to give advice. The customer is solely responsible for determining the extent of damage that may result from mishandled site preparation and product installation and should have full insurance coverage.

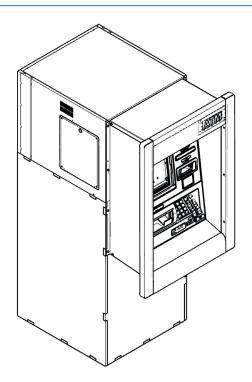
1.3 Customer Actions

The customer must do or provide the following:

- When required by HYOSUNG TNS, provide the HYOSUNG TNS customer service representative with appropriate site drawings that indicate the following:
 - Product location
 - Site wiring (power and signal, paths and lengths)
 - Location of other equipment capable of generating electrical noise, electromagnetic interference, heat, etc.
- Make building alterations necessary to meet wiring and other site requirements.
- Provide and install all communications cables, wall jacks, special connectors, and associated hardware.
- Provide and install necessary power distribution boxes, conduits, grounds, lightning protection, and associated hardware.
- Make sure all applicable codes, regulations, and laws (including, but not limited to, electrical, building, safety, and health) are met.
- Provide and install auxiliary power or other equipment as required.
- · Provide storage or service areas as required.
- · Ensure the environmental requirements are met.
- Provide floor coverings and environmental systems that limit or control static electricity build-up and discharge.
- Install the product at a height that meets the accessibility regulations imposed by national or local laws.

2 **Product Overview**

2.1 General Description



The Hero T—generally referred to as the product throughout this document—is a Through-The-Wall ATM intended for installation inside the wall of a building.

Options

Category	Options	Remark
Customer Option	NFC	VIVOPAY IV

2.2 Noise

The emission values are measured based on the criteria shown in the table below and maintains a LEQ 70dB and LP 75dB or less.

Ca	ategory	Front	Back	Left	Right
System	Distance	9.84 in (250 mm)	39.37 in (1000 mm)	39.37 in (1000 mm)	39.37 in (1000 mm)
	Height	59.05 in (1500 mm)	59.05 in (1500 mm)	59.05 in (1500 mm)	59.05 in (1500 mm)



However, the noise level may vary depending on product characteristics and actual user conditions.

2.3 Standards Compliance

US/Canada

EMC (Radio Frequency Interference)	Safety
 This product complies with part 15 of the FCC rules, and its operations are subject to the following conditions: (1) The product may not cause harmful interference. (2) The product may not cause harmful effects, including interference that may cause undesired operations. Can ICES-003(A) / NMB-003(A) 	UL 62368-1 CSA C22.2 No. 62368-1-19 UL 291

Europe/Asia/Africa/Middle East

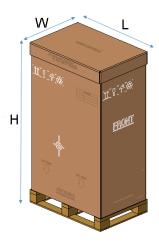
Nation	EMC (Radio Frequency Interference)	Safety	Environment
Ordinary	CE EMCD EN 55032 EN 55035 EN IEC 61000-3-2 EN 61000-3-3	CE LVD EN 62368-1	RoHS IEC 62321:2009/IEC 62321-8 WEEE IEC/TR 62635/IEC 62474/EN 50419 REACH REACH Regulation(EC) NO1907/2006
UK	BS EN 55032 BS EN 55035 BS EN IEC 61000-3-2 BS EN 61000-3-3	BS EN 62368-1	-
TW	-	-	RoHS EN 62321:2009 CNS 15663
RU	-	-	RoHS EN 62321:2009 EAEU TR 037/2016



- RoHS: Restriction of Hazardous Substances Directive
- WEEE: Waste Electrical and Electronic Equipment)
- REACH: Regulation (EC) No1907/2006(SVHC)

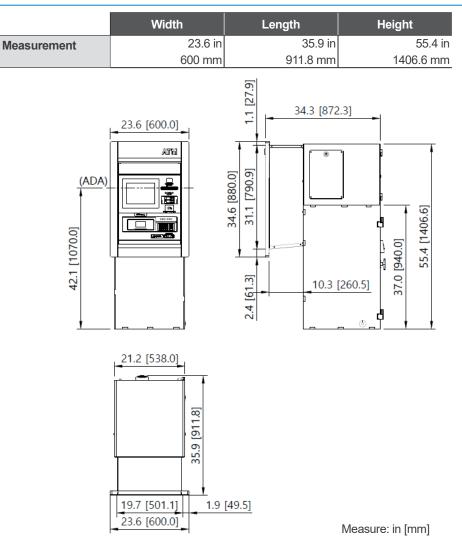
3 Variant Details

3.1 Package Dimensions



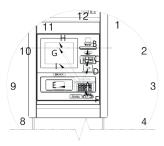
Dimension	Measurement
Height	69.3 in (1760 mm)
Length	39.8 in (1012 mm)
Width	27.3 in (694 mm)

3.2 ATM Dimensions



3.3 Devices Clock Diagram

The Hyosung product places all supported devices/units according to the Americans with Disability Act (ADA) standards.



Distance for Voice Guidance

	Device	Distance from No. 5 Key (3D Distance)	Clock Face Position (Relative to No. 5 Key)	
Α	Encrypting PIN Pad	0	0	
В	Receipt Printer	11.2 in/283.8 mm	12	
С	Card Reader	8.0 in/203.1 mm	12	
D	NFC	5.7 in/144.5 mm	1	
Е	Cash Dispenser	7.0 in/177.1 mm	9	
F	Earphone Jack	3.9 in/99.6 mm	5	
G	ADA Height	12.1 in/306.2 mm	11	
Н	Screen Top	14.7 in/372.6 mm	11	
I	Screen Bottom	9.6 in/243.0 mm	10	

Height and Depths (from Base of ATM)

	Device	Height (from Base of ATM)	Depth (from Front of ATM)
Α	Encrypting PIN Pad	30.8 in/783.3 mm	6.9 in/176.4 mm
В	Receipt Printer	41.9 in/1063.9 mm	6.9 in/176.0 mm
С	Card Reader	38.5 in/977.8 mm	5.3 in/135.9 mm
D	NFC	36.2 in/920.3 mm	6.2 in/158.6 mm
Е	Cash Dispenser	29.9 in/760.3mm	7.2 in/183.5 mm
F	Earphone Jack	27.7 in/704.4 mm	5.2 in/132.9 mm
G	ADA Height	42.1 in/1070.0 mm	7.0 in/176.7 mm
н	Screen Top	43.8 in/1111.7 mm	7.2 in/181.8 mm
I	Screen Bottom	37.4 in/950.5 mm	6.4 in/162.3 mm

3.4 System Weight

ATM	ATM wth CDU		
	Default Weight	Cassette full Media	
Hero T	1,089.1 lbs	1102.3 lbs	
	494 kg	500 kg	

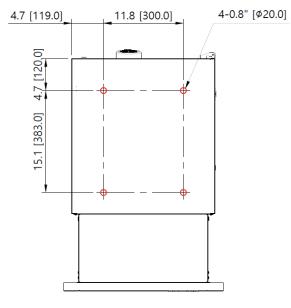
Weight of Optional Modules

Coin Dispenser Ass'y (With Coin Weight)	Not equipped
Palm Vein Ass'y	Not equipped
ID Scanner Ass'y	Not equipped



- Default weight means that Hero T does not have a cassette, and the cassette Full Media has one CST full of money.
- The Maximum Weight includes all optional modules the product can offer: a coin dispenser, palm vein, ID scanner, etc. Each optional module's weight—unit name and related materials for the option—is shown in the table above.

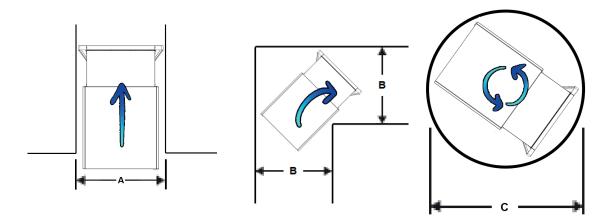
3.5 Security Bolt



Top View Measure: in [mm]

The 4 pairs of security bolts and washers (made of steel and SUS304) provided by Hyosung TNS are exclusively for UL level 1.

3.6 Clearance



The clearance requirements for moving and positioning the product are as follows:

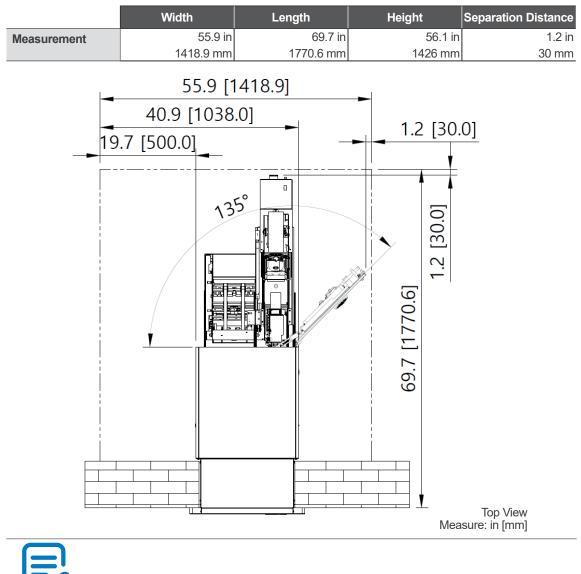
	Packaged Hero T (Pallet & Carton)	Unpackaged Hero T
A	29.7 in	26.0 in
Doorway or Straight Corridor	(754.4 mm)	(660.4 mm)
B	36.2 in	32.1 in
Corridor with Corner	(919.5 mm)	(815.3 mm)
C	50.7 in	45.4 in
Rotation about Center	(1287.8 mm)	(1153.2 mm)

The provided dimensions are based on the assumption that installers will use moving-assistant equipment, such as a lifting trolley, to transport the product. When moving the packaged product, the equipment's dimensions must not exceed those of the Packaged Product. Similarly, when moving the unpackaged product, the equipment's dimensions must not exceed those of the Unpackaged Product.

4 Servicing Area

4.1 Minimum Installation

The figure below shows the minimum service area required for the user to use the product. It is recommended that you have the service area we recommend so that you can open a secure door and perform the service effectively and safely. If the site cannot accept the maximum zone, you can use the minimum zone. The disadvantages of the minimum service area can increase the service time required to upgrade or repair the module.



Please check the 'General View' part for height information.

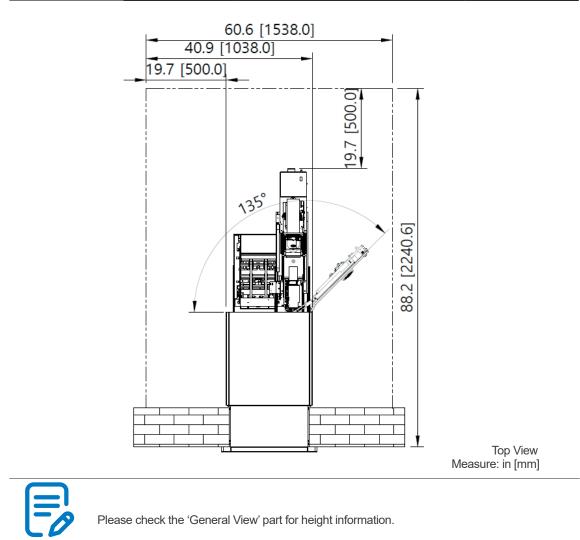
Note

4.2 Recommended Installation

Note

The figure below shows the areas we recommend that users can use the product without difficulty. It is recommended that you use the areas recommended below where possible. If the site cannot accept the recommended zone, you can use the minimum zone (see Minimum Installation).

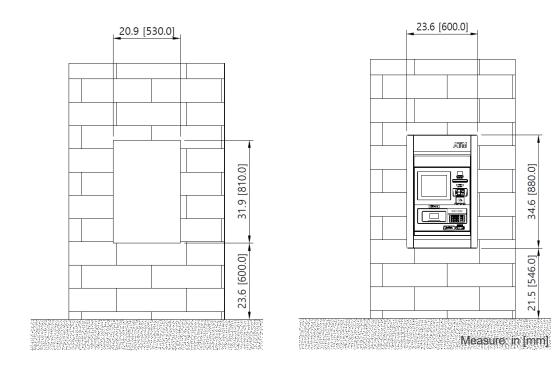
	Width	Length	Height	Separation Distance
Measurement	60.6 in	88.2 in	56.1 in	19.7 in
	1538 mm	2240.6 mm	1426 mm	500 mm



4.3 General View

General view is only for the TTW type ATM and it explains how much to drill the wall.

		Top Length	Length	Height	Separation Dis- tance
Measurement	Wall hole	20.9 in	31.9 in	55.5 in	20.9 in
		530 mm	810 mm	1410 mm	530 mm
	After installation	23.6 in	34.6 in	56.1 in	23.6 in
		600 mm	880 mm	1426 mm	600 mm



5 Site Requirements

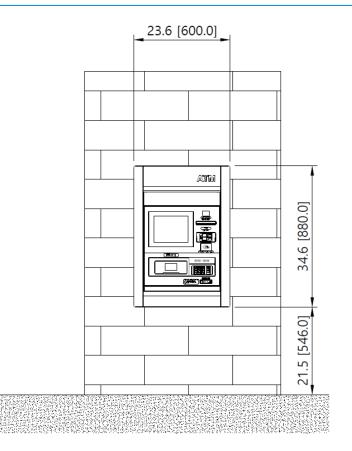
5.1 Positioning the ATM

Position the product where the bright sunlight won't directly fall onto the customer display. Allow sufficient surrounding room for efficient installation and service work. If air conditioning equipment is installed around the site, ensure that the installed product won't obstruct the passage or access to the air conditioning equipment.



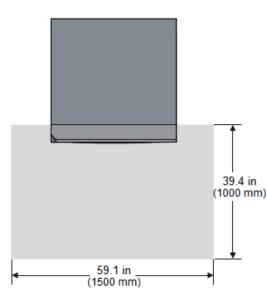
Although the Hero T is designed to withstand exposure to rainfall, it should not be placed in locations where it may be subject to water spray, such as splashes from vehicles driving through puddles. Additionally, when installing multiple Hero T units, ensure adequate spacing between them to provide sufficient privacy for user transactions.

5.2 Through the Wall



The Hero T is only suitable for installation in an exterior environment. The ATM must be positioned away from heat sources or any air conditioning equipment. Bright lights and windows behind the user may degrade camera performance. Position the ATM away from direct sunlight. Allow sufficient room for installation and servicing requirements

5.3 Ambient Lighting



Ambient lighting specifies the required illuminance for an ATM camera to take pictures of customers' faces during transactions. A minimum of 150 Lux is required at the floor level within the area illustrated above if the product is equipped with a face camera. Note that the horizontal length measured above may vary from product to product.

5.4 Task Lighting

Task lighting specifies the required illuminance for product users to execute service or maintenance operations such as cash replenishment, receipt paper roll replacement, etc. A minimum of 150 Lux is required for task lighting.

5.5 Temperature and Humidity

Normal Operating	without Severe Environment	with Severe Environment
Range	 Temperature: 23 °F to 122 °F (-5 °C to 50 °C) Relative Humidity: 10 % to 90 % 	 Temperature: -31°F to 122°F (-35°C to 50°C) Relative Humidity: 10% to 90%

The site must maintain the temperature and humidity levels specified above. Avoid continuous operating at or near the range limits in order to keep the site in the normal range all the time.

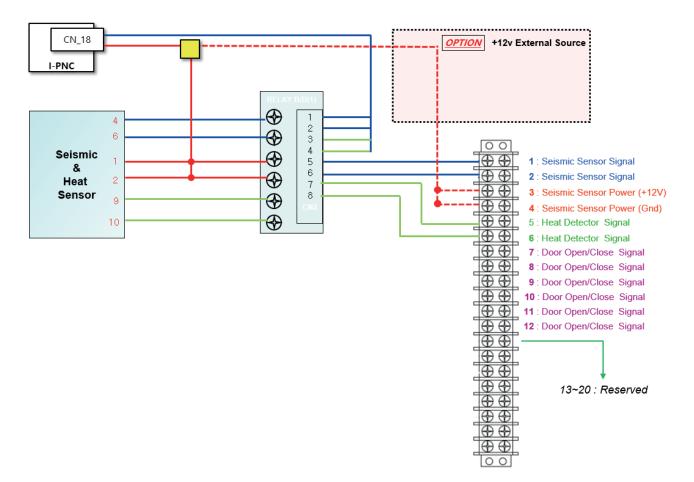
5.6 Power Requirement

Product's Power Information

Categories	Information
Input AC Power Rate	100 ~ 240 Vac (including tolerance [±10%]) Max 10.0 at 50/60 (±3) Hz, Single-phase
Power Consumption	Idle (Min): TBD Transaction (Max): TBD
Thermal Output	Idle (Min): TBD Transaction (Max): TBD

5.7 Terminal Block

A terminal block is a modular, insulated block that secures two or more wires together.



6 Required Tools

6.1 For Removing External Packaging

No.	Image	Product Name	Note
1		Utility knife	To cut straps around the box.
2		Nail puller	To pull out nails on the palette.
3	250mm)//30mm	Spanner	To unroll the bolt
4	Res CALL	Lifting trolleys	To move the ATM ** The product in the next image is proposed by Hyosung, and different products can be used depending on the local situation.

6.2 For Removing Internal Packaging

No.	Image	Product Name	Note
1		Cross screwdriver (+)	To unscrew.
2		Nipper	To cut wire.
3	~~ ~	Stubby driver (+)	To unscrew.

6.3 For Drilling a Wall

No.	Image	Product Name	Note
1		Core drill	To cut a hole in the wall.
2		Hammer drill	To cut a hole in the wall.

Chapter III. Installation

1 Installation Action Summary

- Remove external packaging.
- Move and position the product as satisfying the site requirements mentioned in the "Site Requirements" section.
- Check and operate doors—exterior door and the safe door.
- Unpack and clear interior packaging; prepare required tools beforehand.
- Fasten the security bolts; prepare the HYOSUNG-provided bolts and washers beforehand.
- Clean the product's exterior surface; prepare the cleaning materials beforehand.
- Walk through the Check List provided in the "Installation Check List" section at the end of this document.

2 Removing External Packaging

2.1 Responsibilities of the Client

The installing party is responsible for any damage issues that may occur during transportation and packaging removal. I.e., HYOSUNG is not responsible for issues caused by the installing party during transportation and packaging removal.

After unpacking, if you notice damages, report the product as damaged on the carrier's Bill of Lading and/or delivery receipt providing detailed information of the damage such as:

- Shortage
- Water damage
- Pilferage
- Other

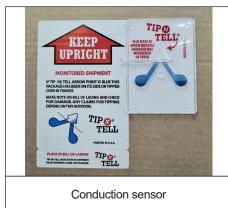
Contact the responsible Customer Delivery Partner (CDP), Delivery Coordinator (DC), or Implementation Coordinator (IC) to report the damage.

Forward a copy of the delivery receipt and/or Bill of Lading to the responsible CDP, DC, IC, and In-Country Freight Claim Representative or Freight Claim Region Coordinator.

If there is a problem with the ATM, please check 'Appendix B'.

2.2 Inspecting the ATM for Damage

1. Check the shock watch and the conduction sensor before you remove the external package.





- 2. Inspect and make sure that the product doesn't have any surface dents or scratches.
- 3. Finally, check the "chip block" of the pallet for damage.
- 4. You must respond with the Installation Report Form delivered with the product. Ensure reporting any problems in the following areas:
- · Malfunction of the product or any of its devices.
- Internal or external defects that occur due to mishandling or damage during transportation.
- Missing or damaged accessories. All the accessories must match the appropriate features inside the product.

Installation

2.3 Packing Check Items Detail Image

Check Conduction Sensor

You should check if there is blue sand in Center.



Check Shock Watch

You must make sure that the centerline is red.



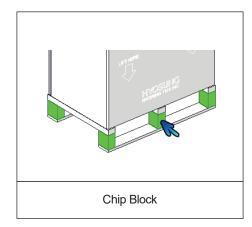


TIP

Abnormal Conduction Sensor

Check Pallet Chip Block

You must check if the Chip Block on the palette is damaged.



2.4 How to Remove External Packaging



Unpack the product on the palette as follows:

- 1. Using a knife, cut the straps that are fastened around the box with a knife. Be careful when cutting the straps. Refer to the figures above.
- 2. Using a nail remover, remove the nails from the palette. Refer to the figure above.
- 3. Remove the lid and the whole box from the top. Do not discard the packaging materials until you have verified any shipping damage claims. Contact your distributor immediately if you see any shipping damages. Store the box in a safe place to reuse or discard it appropriately.
- 4. Verify the contents carefully with the packing list to be sure all listed items are included. Notify your distributor of any shortages.
- 5. If you need to remove only the palette, lift the whole product from the bottom and set it aside.



Be careful not to damage the product when removing the packaging.



Cajera Pivot machine is very heavy equipment and can cause injuries if not handled with caution. Read the following carefully.

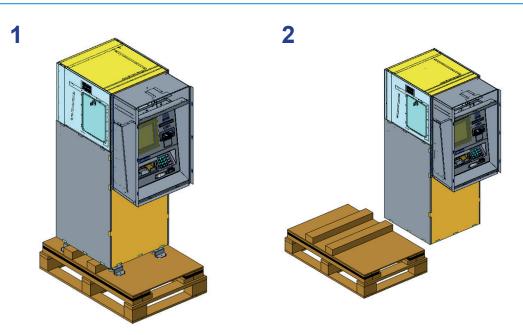
- Firmly close the vault door and lock the door by turning the knob.
- Only experienced staff members should move heavy machine.
- Do not tilt the ATM when moving.

3 Positioning

3.1 Precautions for Movement

- · Pay attention to scratches and imprints while moving.
- Secure sufficient passageways for movement. For details, refer to the "Variant Details" section under the "Site Preparation" chapter.
- When moving, apply force to the product's lower part, which has the safe, rather than the upper part.
- · Exercise prudence not to fall or crash the product while moving.

3.2 How to Unload from Pallet



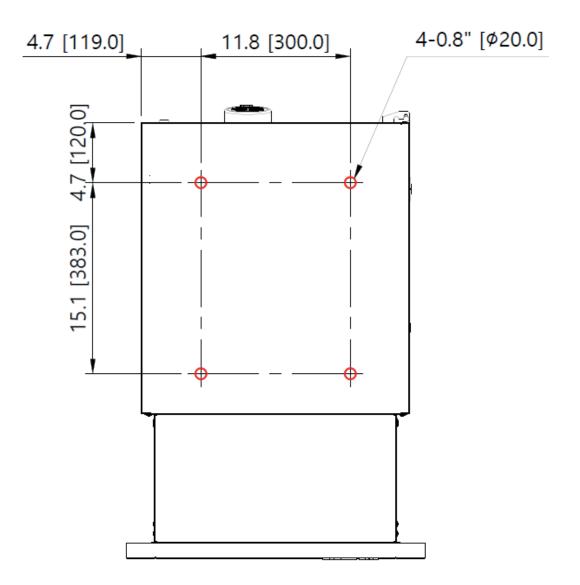
- 1. Prepare Lift Trolley to unload the Hero T product from the Pallet.
- 2. Align the prepared Lift Trolley with the height of the pallet.
- 3. Since the Hero T is not engaged with the Pallet, carefully and move it onto the Lift Trolley.
- 4. Move the Lift Trolley and put down the Hero T where you want to install it.



The way the product is put down from the pallet may vary depending on the local situation.

3.3 How to Use the Security Bolt Poster

Using the "Security Bolt Poster," provided by Hyosung, drill holes on the floor where the product must be positioned. See the "Security Bolt Poster" below, showing the exact hole positions.

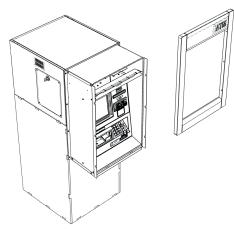


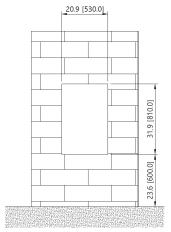


In order to prevent the product from falling over, please secure the product to the floor, preferably using an anchor. Please note that any damages resulting from improper installation or failure to anchor the product will not be the responsibility of Hyosung TNS.

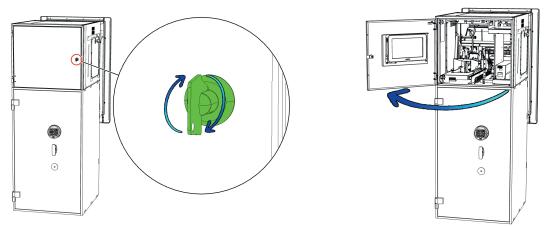
3.4 How to Install the TTW type ATM

- 1. When the machine arrives, the collars are not attached to the machine.
- 2. Construct the wall according to the hole sizes in the General View.

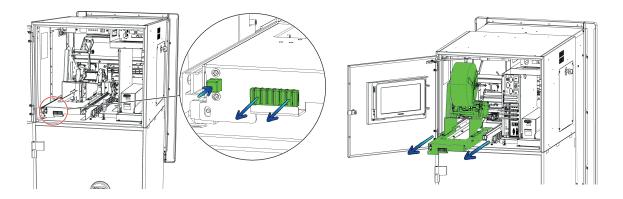




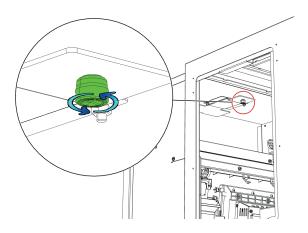
- 3. Construct the floor using the anchor poster.
- 4. Locate the machine in the right place.
- 5. To open the rear door, find the keyhole on the product's rear door, insert the key, and turn the key clockwise.



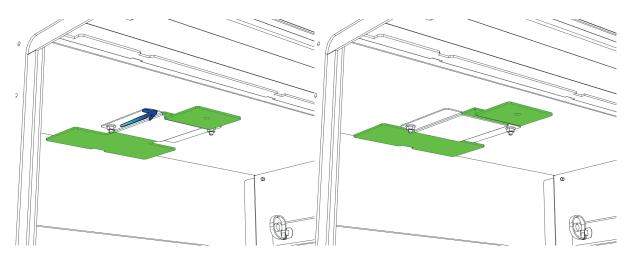
6. Then, pull out the receipt printer, and open the right hand side door.



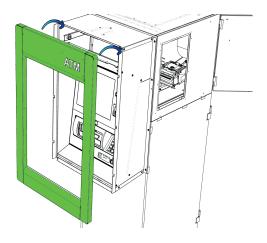
7. Remove the collar fixed bolts on the ceiling inside the machine.

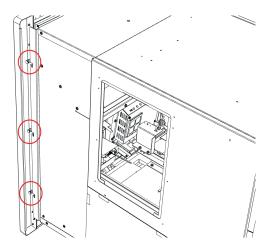


8. Pull the collar fixing bracket back.

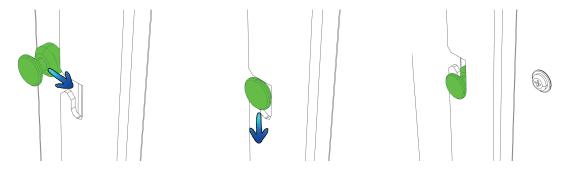


9. Install the collars.

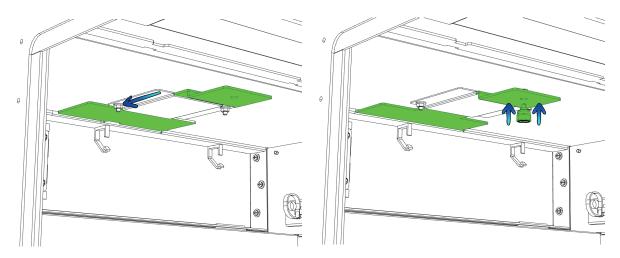




10. Fasten the bolts as shown below.

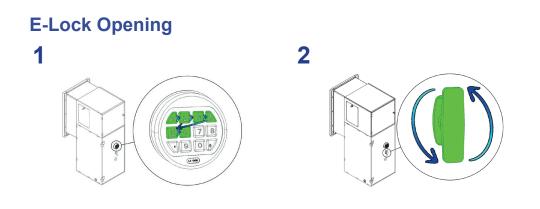


11. Push the collar fixing bracket on the ceiling inside the machine forward and fasten the bolts.

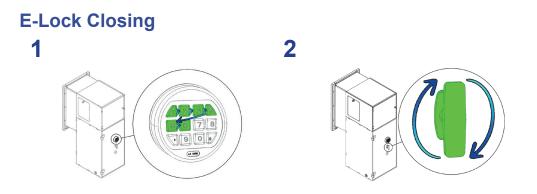


4 Checking Door Operations

4.1 How to Open and Close the Safe



- The default combination for Electronic Lock is 1-2-3-4-5-6. Enter this sequence on the electronic lock keypad. The lock will confirm a valid combination entry with a double signal. Lock will signal three (3) times for invalid combination entry.
- 2. Turn the vault door handle counterclockwise. The vault door will open.



- The default combination for Electronic Lock is 1-2-3-4-5-6. Enter this sequence on the electronic lock keypad. The lock will confirm a valid combination entry with a double signal. Lock will signal three (3) times for invalid combination entry.
- 2. Close the safe door and turn the vault door handle clockwise to close it.



If you make more than 4 mistakes, you cannot enter the password for 5 minutes.

5 Unpacking the Interior

5.1 **Precautions for Removal**

- Ensure that any fixing parts (except for the original fixing BRKT shipped from Hyosung) won't touch or interfere with internal units.

- Be aware that Hyosung won't be responsible for any problems caused by third-party parts used for fixing the interior while product transitioning.

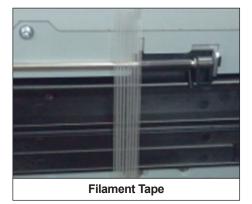
5.2 How to Unpack the Interior

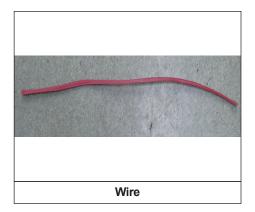
Required Tools

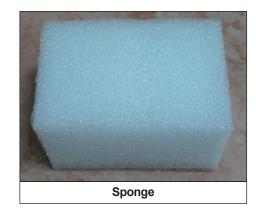
Refer to the "Required Tools " section under the "Site Preparation" chapter.

Removal Items









Remove all interior packing items depicted in the photos above: yellow screws, filament tapes, wires, and sponges.



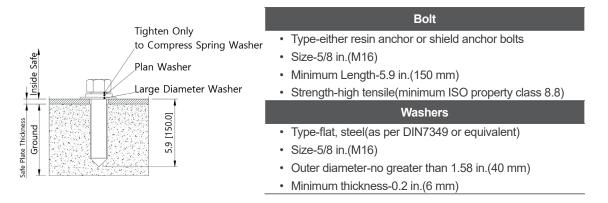
• The exact locations of items may vary from model to model.

• BRKT and bolts removed during the previous steps must be stored separately.

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6 Fastening the Security Bolts

6.1 Security Bolt Detail



6.2 How to Secure the Bolts

- 1. You must remove the CDU unit for the "Security Bolt" installation.
- Release the bolts on both sides of the CDU unit and remove the CDU. See the Service Manual for detailed instructions.
- 3. Drill the bottom of the product.
- 4. To secure the product, use the still security bolts to fasten them through two holes on the front side and two SUS 304 security bolts through the holes on the backside.
- Cables should enter the product through a hole in the base of the security enclosure. Ensure that distribution boxes and any power and wring conduits won't protrude above the island's surface.



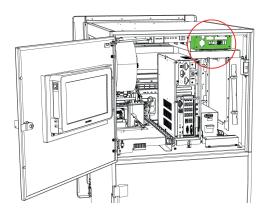
Bolt positions may vary from machine to machine. Work should be carried out in pairs.

7 Connecting Power Cable and LAN Cable

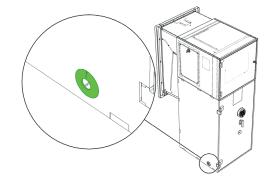
7.1 Connecting Power Cable

Use the product's AC cable that sources the wall power to the product. Connect the AC power cable to your designated outlet.

Power Input



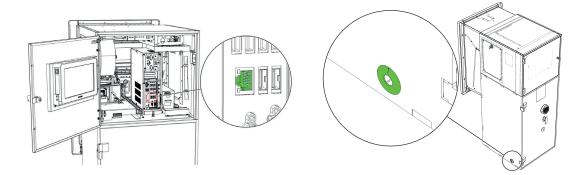
The power cable is 177.2 in (4500 mm).



7.2 Connecting LAN Cable

Connect the LAN cable to your designated outlet.

LAN Cable Input



8 Cleaning

8.1 Required Cleaning Items



8.2 How to Clean Exterior

- To clean the fascia and exterior panels of the product, use a lint-free cloth dampened with either a general surface cleaner or a solution of diluted detergent (such as washing-up liquid mixed with warm water). Wipe down the surfaces and then dry them with a dry lint-free cloth. The covers of the camera and bar code reader can be cleaned in the same manner.
- To clean paint, grease, or dirt, use a cotton wadding dampened with either isopropyl alcohol or ethyl alcohol.



- Do not scrape product surfaces with scouring pads, razor blades, or similar implements.
- Do not clean the product with a water hose (powered or otherwise). Ensure that water from cleaning activities does not enter the product.

• Do not use an abrasive, acid, alkaline, or chlorinated cleaner, nor any cleaning agents: benzene, petrol, acetone, carbon tetrachloride, or paint stripper.

9 Installation Checklist

No.	Category	Check
1	Have you worked in compliance with safety?	
2	Has the packaging been completely removed?	
3	Have you checked external damages and followed the procedure?	
4	Is the product positioned in the correct place?	
5	Is the TTW type product installed in accordance with the instructions?	
6	Have you checked the safe door by opening and closing it properly?	
7	Have you removed all internal packaging?	
8	Are the security bolts properly fastened?	
9	Have you cleaned the exterior surfaces?	

* If all eight items above confirm that the ATM is ready for operation, please go to the Operation Manual.

Appendix

A. Problem with the ATM

Please report any problems in the following areas to us:

- Malfunction of an ATM or ATM device
- Internal or external defects resulting from damage to handling or transportation
- Accessories missing or damaged. All accessories must be fitted to the appropriate functions inside the ATM.
- When you write and send it, you should provide information that can confirm which device it is, such as ATM's Serial Number, Delivery Date, Country, etc.

HYOSUNG TNS

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