
TeraFrame[™]

***TeraFrame*[™] HD Cabinet System
Supplemental Installation Guide**



**CHATSWORTH
PRODUCTS, INC.**

800-834-4969

**techsupport@chatsworth.com
www.chatsworth.com**

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Installation Guide TeraFrame HD

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This guide provides additional recommendations for installing, transporting, and establishing a safe work environment for the *TeraFrame*[™] HD cabinet system. It is intended to supplement The *TeraFrame*[™] Cabinet System User's Manual.

Safe & Proper
Use
Statement

LOAD RATING

Static load rating: 3,000 lb (1364 Kg.)

Dynamic load rating: 3,000 lb (1364 Kg.)

CONVENTIONS USED IN THIS MANUAL

This manual provides general safety guidelines to be observed when planning for, installing, and operating your TeraFrame HD cabinet.

Special messages used throughout this manual are explained below:



WARNING: Text highlighted in this manner indicates that failure to follow directions in the warning could result in bodily harm or loss of life. Obey all safety messages that follow this symbol to avoid possible injury or death.



CAUTION: Text highlighted in this manner indicates that failure to follow instructions could result in damage to equipment or data.

IMPORTANT: Text set off in this manner presents clarifying information or specific instructions.

NOTE: Text set off in this manner presents commentary, sidelights, or interesting points of information.



WARNING:

- To reduce the risk of personal injury or damage to the equipment, do not attempt to move large equipment cabinets alone. A minimum of three people are required to move and position the cabinet.
- Obtain adequate assistance to stabilize the rack during movement or hire professional equipment handlers.
- Only trained and qualified personnel should unpack and install large equipment cabinets. Qualified personnel must be trained and certified in moving large form factor electronic equipment.
- Use recommended equipment (fork lift or pallet jack) to move the cabinet while still on its shipping pallet.
- When possible leave the equipment on the pallet until you are ready to move it to its final destination.



Recyclable materials

CPI uses only recyclable materials in all of its cabinet packaging. Please save packaging for later use or dispose of properly. All wood components of CPI pallets have been properly treated to comply with the pest-free certifications required by foreign countries.

Please Inspect for Shipping Damage before the carrier leaves your premise:

Each TeraFrame cabinet leaves our plant in perfect condition. Any visible or concealed damage most likely occurred in handling after it left our plant and should be reported at once to the shipping company which delivered your cabinet

Intended Use

Keep a printed copy of the Preface of this User's Manual in or near the cabinet.

- Install the cabinet only in a restricted service environment, such as a data center. Use indoors only, in environmentally controlled areas; do not use outdoors, in harsh environments, or in air-handling spaces.
- Use the cabinet for information technology and telecommunications equipment, including servers and peripherals.
- Allow only qualified service personnel to use the cabinet.
- The cabinets must be anchored to the floor to ensure stability.
- The load-bearing capacity of the TeraFrame HD cabinet is:

600 mm wide cabinet supports 3,000 lb (1364 kg)

- The ambient temperature operating range for the TeraFrame cabinet and installed cabinet accessories is 32° to 140°F (0° to 60°C). Cabinet installation to be conducted by qualified service personnel and in accordance with applicable national codes.

Unpacking Procedure

This section describes the system unpacking procedure.



WARNING: Handling wooden parts such as the pallet can cause splinters. Wear gloves when handling the pallets.



CAUTION: Position pallet loaded with cabinet to allow 20 feet of clearance between the pallet/ramp interface and final stopping point for cabinet to roll off ramp and come to a complete stop.

1. Check pallet deck height versus ramp. If pallet deck is too low to properly align with ramp, carefully lift pallet with appropriate equipment (pallet jack, forklift, etc.) and add spacers on floor under front and rear edges of pallet as required to raise and level the pallet deck to align with the ramp. .
2. Remove front shipping bracket anchoring cabinet to pallet.



WARNING: Do not remove rear shipping bracket anchoring cabinet to pallet.

3. Align metal ramp to pallet and bolt the ramp to the pallet.
4. Remove bolts securing rear shipping bracket to the cabinet frame, but do not remove the bolts securing the rear shipping bracket to the pallet.



WARNING: Do not remove bolts securing rear shipping brace to pallet.

5. Due to extremely heavy load, use a minimum of three individuals to move cabinet towards ramp and walk adjacent to or behind cabinet.



WARNING: Do not allow anyone in front of cabinet during movement.

6. Once clearance is assured, move cabinet onto ramp and allow it to roll down.



WARNING: Do not attempt to stop cabinet during movement.

7. Once cabinet has stopped rolling, it is OK to maneuver cabinet as required.



CAUTION: It is recommended to move the cabinet with swivel casters at the rear.

**CAUTION:**

- The engineered shock pallet is designed to only be used only once. The pallet should not be reused after the cabinet reaches its destination.
- Reusing a shock pallet may not protect the cabinet and installed equipment. If a cabinet with installed equipment needs to be shipped to a new destination, a new shock pallet must be used.

Moving cabinets with casters**CAUTION:**

- Cabinets with casters should be moved with care.
- Sudden stops, excessive force, and uneven surfaces may cause the product to overturn.
- When rolling the cabinet, make sure to push firmly on the door frame and not the door mesh.
- Never push on the sides of the cabinet, which could cause the cabinet to overturn.
- Customer is responsible for assuring that floor surface is free of obstructions and other obstacles that would impede safe movement of the cabinet. Concentrated, ultimate and rolling load floor loading capacities must be carefully observed. All ramps and thresholds must be safely and properly addressed.

Installation of cabinet

- Cabinet must be securely anchored to the floor in its service location.
- Brackets used to anchor the cabinet to the pallet have been designed to be utilized to anchor the cabinet to the floor in its service location.
- Customer is responsible for assuring that flooring meets the performance requirements as established by CISCA (Ceiling & Interior Systems Construction Association) including concentrated, ultimate and rolling load capacity.

Installing Equipment

To ensure rack stability:

- Load cabinet from the bottom up and load heavier components first.
- It is recommended to allow a minimum clearance of 30 in. (762 mm) at the back of the rack.
- It is recommended to allow a minimum of 48 in. (1219.2 mm) clearance beyond the front of the rack to permit server installation and removal. This applies to both individual rack installations as well as when aligning rack rows so that the front doors are facing each other.

Disclaimer

CPI disclaims any responsibility and shall be held harmless for any damages or losses incurred by the user in any of the following cases:

1. Fire, earthquake, or any other act of God; acts by third parties; misuse by the user, whether intentional or accidental; use under extreme operating conditions.
2. Malfunction or non-function resulting in indirect, additional or consequential damages, including but not limited to loss of expected income and suspension of business activities.
3. Incorrect use not in compliance with instructions in this document as well as instructions found in the cabinet instruction manual.
4. Malfunctions resulting from misconnection to other equipment.
5. Repairs or modifications made by the user or caused to be made by the user and carried out by an unauthorized third party.
6. Notwithstanding the foregoing, Chatsworth Products Inc.'s liabilities shall not, in any circumstances, exceed the purchase price of the product.