KRAMER

Installation Instructions

MODEL:

T20F-64
Inner Frame

CE PAP 22

ISO 9001

ISO 14001

OHSAS 18001

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

P/N: 2900-301466QS   Rev: 1

⚠ SAFETY WARNING
Disconnect the unit from the power supply before opening and servicing

For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to these installation instructions may be found.
We welcome your questions, comments, and feedback.

T20F-64 Inner Frame

Congratulations on purchasing your Kramer **T20F-64 Inner Frame** for **TBUS-20XL(WAVES)**.

The **T20F-64** inner frame includes:

- 2 openings for dual power sockets or Inserts (for example **T-4INSERT**).
- 2 openings for single power sockets or dual inserts (for example **T-2INSERT**).
- 4 pass-through inserts.

> Power sockets, inserts, cables, and cable retractors are purchased separately.
>
> Go to www.kramerav.com/product/T20F-64 to check for up-to-date user manuals and the complete list of Kramer wall plates and module connectors.
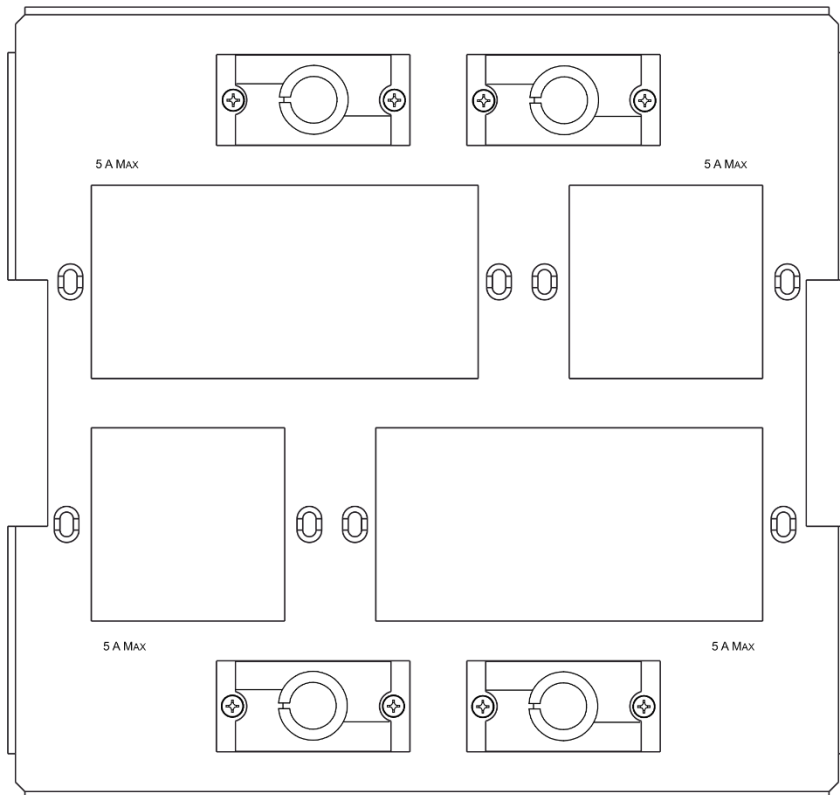

Figure 1: T20F-64 Inner Frame

Power Socket and Power Cord Options

Various power sockets and power cords are available to use with the **T20F-64**, as described in the "TBUS Modular Power Socket Installation and Power Cord" Installation Instructions, supplied with the power socket.

Mounting the Inserts

You can rearrange or remove any of the plates mounted on the inner frame and replace them with Kramer passive wall plates or connector modules for interfacing A/V type signals.

To mount a Kramer insert or connector module:

1. Unscrew the two screws that fasten the pass-through insert to the inner frame and remove it.

2. Place the required Kramer insert over the opening, insert the two screws to fix the Kramer insert in place, and tighten them.

To insert the pass-through cables (for example, to connect to a laptop):

1. Remove the two screws that fasten the split pass-through bracket.

2. Remove the split grommet.

3. Insert the cable through the rectangular opening.

4. Open the split grommet slightly and insert the required cables.

5. Replace the split pass-through bracket.

Installing the Assembled Inner Frame

To install the T20F-64 inner frame:

1. Place the assembled inner frame inside the **TBUS-20XL(WAVES)** enclosure.

2. Set the required height using your fingers to bring the inner frame to the desired position, screw and tighten it in place using the height adjustment screws supplied with the inner frame.

Adjusting the Height of the Inner Frame

If needed, you can adjust the inner frame height to accommodate large or bulky cables.

To adjust inner frame height:

1. Remove the height adjustment screws, while supporting the frame from underneath with your fingers.

2. Raise or lower the connecting surface to the required height, insert the screws, and tighten them in place.

Connecting the Cables

When replacing blank inserts with connector inserts (for example, VGA, audio, HDMI and so on), insert the cables to their appropriate connectors from underneath.

After **TBUS-20XL(WAVES)** is connected to mains power and the proper cables, it is ready to use.