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KC-BRAINware-5 Quick Start Guide

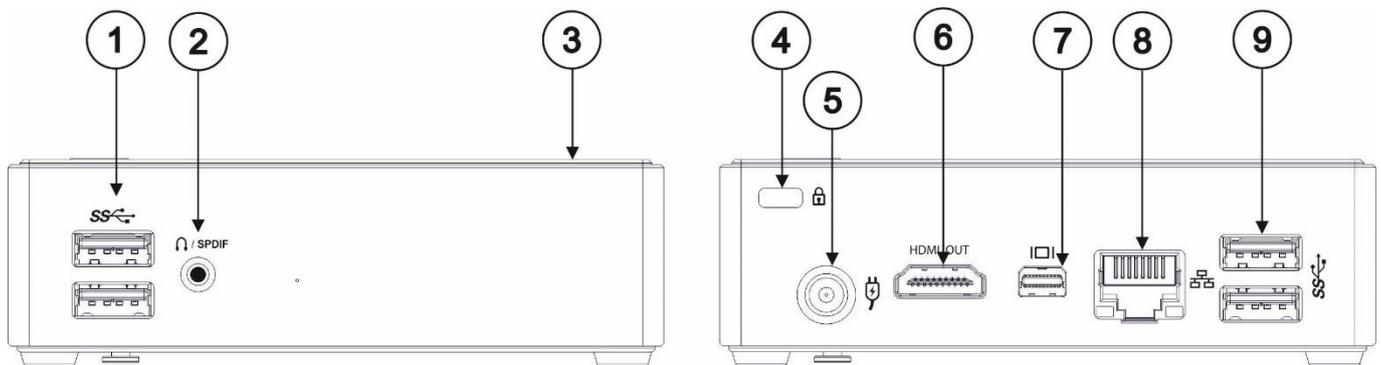
This guide helps you install and use your KC-BRAINware-5 for the first time.

Go to www.kramerav.com/downloads/KC-BRAINware-5 to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ KC-BRAINware-5 Kramer Control server
- ✓ 1 VESA mounting kit
- ✓ 1 Quick start guide
- ✓ 1 Power Adapter (19V DC)
- ✓ HDMI cable extender (M to F)

Step 2: Get to know your KC-BRAINware-5



#	Feature	Function
1	USB 3.0 Connectors	Connect to up to two USB devices.
2	Audio Output 3.5mm Mini Jack	Connect to earphones or powered speakers.
3	Power Button	Press to turn the unit on and off.
4	Security Slot	Connect to a security lock cable.
5	Power Connector	Connect to the 19V DC power adapter.
6	HDMI™ OUT Connector	Connect to a display.
7	Mini DisplayPort Connector	Connect to a display.
8	LAN RJ-45 Connector	Connect to a LAN network or to a wireless router.
9	USB 3.0 Connectors	Connect to up to two USB devices.

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Step 3: Install the KC-BRAINware-5

Install KC-BRAINware-5 using one of the following methods:

- Install the VESA mounting plate on a wall with the 4 screws, insert the 2 hand-tightened screws into the bottom of the device, and mount the device on the mounting plate using the 2 screws.
- Place on a flat surface.



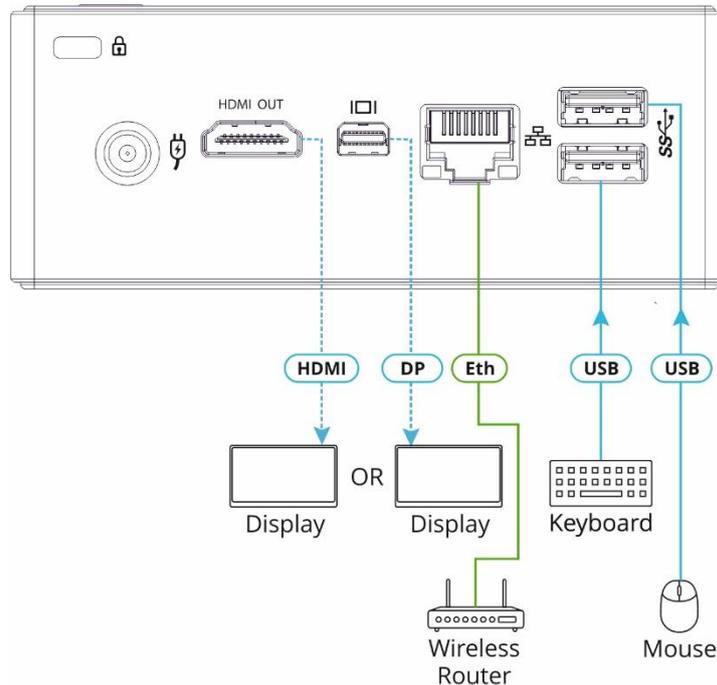
- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.
- Maximum mounting height for the device is 2 meters.

Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **KC-BRAINware-5**.



Connecting Keyboard, Mouse, and Display are optional. SSH has been enabled by default and is the recommended process for configuring **KC-BRAINware-5**.



Step 5: Connect the power

Connect the power cord to **KC-BRAINware-5** and plug it into the mains electricity.

Safety Instructions (See www.kramerav.com for updated safety information)

Caution:

- For products with relay terminals and GPIO ports, please refer to the permitted rating for an external connection, located next to the terminal or in the User Manual.
- There are no operator serviceable parts inside the unit.

Warning:

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.

Step 6: Set up KC-BRAINware-5



Knowledge of IP networking is required to perform the following procedure. Inaccurate IP calculation could damage your IP network when you start **KC-BRAINware-5**.

1. Connect to **KC-BRAINware-5** using one of the following two methods:
 - Connect via SSH `kramer@IPofHardware` and use the password: `KC_Brainware`.
 - Connect a mouse, keyboard and monitor directly to **KC-BRAINware-5**.
2. Identify the gateway and subnet of the network to which **KC-BRAINware-5** is connected.



You may need to contact your IT manager to obtain this information.

3. Connect to the **KC-BRAINware-5** terminal and run the following command to configure a part of the subnet as the range of addresses for all 5 Brains:

```
kramer config set docker.brain.network.ip_range=<your starting address>/29
```

for example: `kramer config set docker.brain.network.ip_range=192.168.110.192/29`

4. Run the following commands to update all Brains:

```
kramer docker update brain
```

After completion of the update, all Brains start and are available on the customer network.