K10 Batteryless Enclosure Quick Start Guide

Getting Started

Congratulations on the purchase of an enclosure for your Lenovo Tab K10 Batteryless (TB-X6C6NB). Most of the Enclosures feature an nSynC K10 Batteryless adapter, which makes it possible to simultaneously power the Lenovo tablet while working with various USB peripherals such as printers, mice, keyboards, and even external hard drives. This mode of operation is called SimulCharge.

As the tablet does not have its own battery, it is powered through the adapter as long as external power is attached.

Note: The K10 Batteryless Powered Enclosure uses a power-only adapter and does not feature SimulCharge.

The K10 Batteryless Enclosures provide the following features:
- VESA 100 Capable Mounting
- Open Speaker Ports
- Back Camera Access
- Front Camera Access (please speak to LAVA rep)
- Microphone Access (please speak to LAVA rep)
- Access USB peripherals while simultaneously powering the tablet
- Keep the Lenovo Tab K10 Batteryless connected to power 24/7
- Connect and access multiple USB peripherals (product specific)
- Provide a wired Ethernet connection to the tablet (product specific)
- Power tablet via PoE (product specific)
- Power via an unregulated DC power supply (product specific)

Your hardware purchase will include:
- K10 Batteryless Enclosure

Prior to proceeding with the instructions in this document, ensure you have obtained:
- Lenovo Tab K10 Batteryless tablet
- Phillips head screwdriver
- VESA 100 capable mounting solution (stand, mount etc.)

Hardware Setup

Requirements:
- K10 Batteryless enclosure
- Lenovo Tab K10 Batteryless tablet
- Phillips head screwdriver
- Ethernet cable for PoE or 15-36 VDC power supply (depending on embedded adapter power type)

Setup Procedure:

For PoE units: Select K10 Batteryless enclosures can be powered using a PoE Switch or Injector, connected to the Ethernet Port.

For VC units: Most K10 Batteryless enclosures can be powered using a 15-36V power supply with a 2mm center positive barrel jack connector. The attached power supply and wiring are responsible for providing short circuit protection.

Note: For VC units, when connecting the LAVA product to the supply, ensure the wiring is such that the center pin is positive. If the polarity is reversed, the damage to the LAVA product is <u>immediate.</u> Application of the wrong input voltage violates LAVA's Manufacturer Warranty.

1. The enclosure will ship with four screws screwed in to hold the two parts of the enclosure secure and in place during shipping. First remove these screws with a Phillips head screwdriver in order to remove the back plate (which has the SimulCharge adapter attached). The remaining screws will be taped to the inside of the back plate. A USB-C cable will also be snaked through from the attached adapter. Do not unscrew the adapter from the back plate or try to remove the USB-C cable. Also take note of the orientation of how the back plate was screwed into the frame as this is the correct orientation. You will not be able to properly reassemble the enclosure if one of the parts is incorrectly oriented.

2. Remove the bag of screws from the back plate.

3. It is recommended that the Lenovo Tab K10 Batteryless tablet is turned off prior to installation as this prevents accidental reconfiguration or launching of apps during the install process (pocket dialling).

4. Connect the tablet to the USB-C cable. Don't exert too much pressure on it as this can break the connector or board interface if you force it too hard. Make sure the cable lays flat against the back plate so it won't be in the way when you put the enclosure back

together. If the cable is twisted, the tablet likely won't seat properly and could cause a bulge when the enclosure is assembled.

5. Once the tablet is plugged into the adapter, you can reassemble the enclosure. Place the back plate face down on top of the frame and fit the tablet snugly inside it. Take caution as you push the tablet into the frame. There are sponge tabs in the frame's corner to keep the tablet from moving and protect it from minor impact. However, if you press too hard, the tablet might catch the edge of one of these tabs and cause them to not fit properly when the enclosure is fully assembled.

6. Next, take the four screws you had removed and screw them into the corner holes. This way, you can see if there are any bumps because something is sitting wrong on the inside. Then, screw in the remaining screws and continue to ensure the back plate lies flat against the frame.

7. The enclosure has a hole over the power button. Feed a small stick into the hole to turn on the tablet.

8. The back of the enclosure's adapter has four large screw holes. These are VESA 100 holes that allow you to attach the enclosure to a standard VESA mount. Follow the instructions provided by the mount to attach the enclosure. LAVA does not provide the VESA screws for mounting.

9. Once the enclosure is mounted, you can remove the white paper covering the frame. It is used to protect the enclosure from scratches during shipping. It is recommended that this paper is removed after final install on the VESA mounting as this prevents any accidental scratches or dings that may occur during this process.

Wired Ethernet Configuration (for Ethernet-capable products)

Depending on your network configuration, you may need to enable or reconfigure the wired connection settings on the Lenovo Tab K10 Batteryless.

After establishing a connection with the nSynC product, the Ethernet configuration option should be available in the Settings menu of your mobile device (i.e. Settings > Connections > More connection settings > Ethernet).
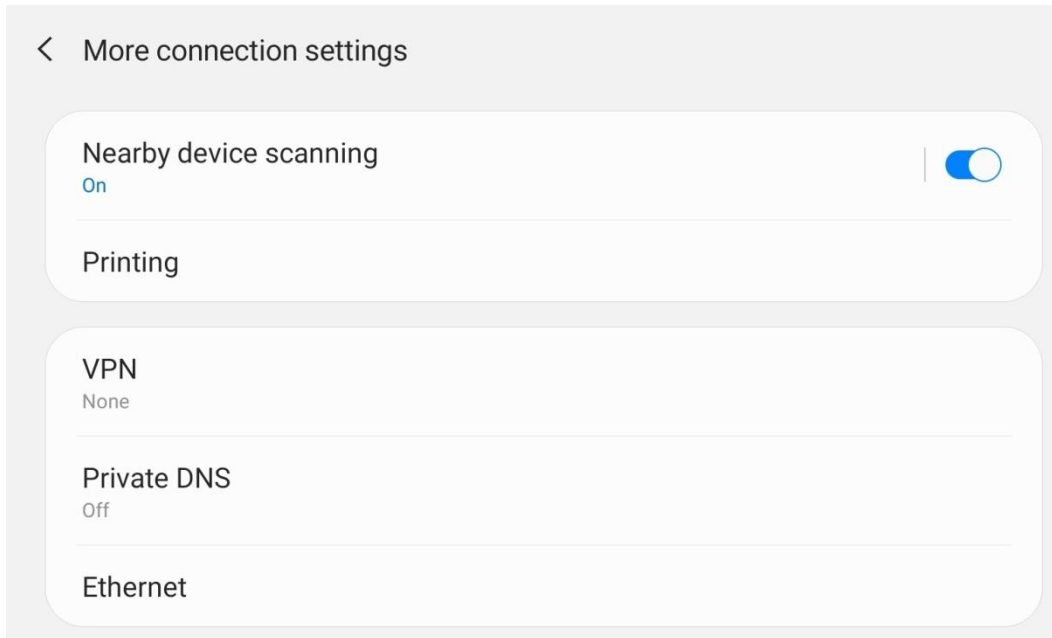

Figure 1: More connection settings on mobile device.

Assuming that the Ethernet option is available, it may be necessary to enable or disable the wired connection on your tablet. This can be done by ensuring the Ethernet option is selected (i.e. enabling the connection) or deselected (i.e. disabling the connection) on the Ethernet page.
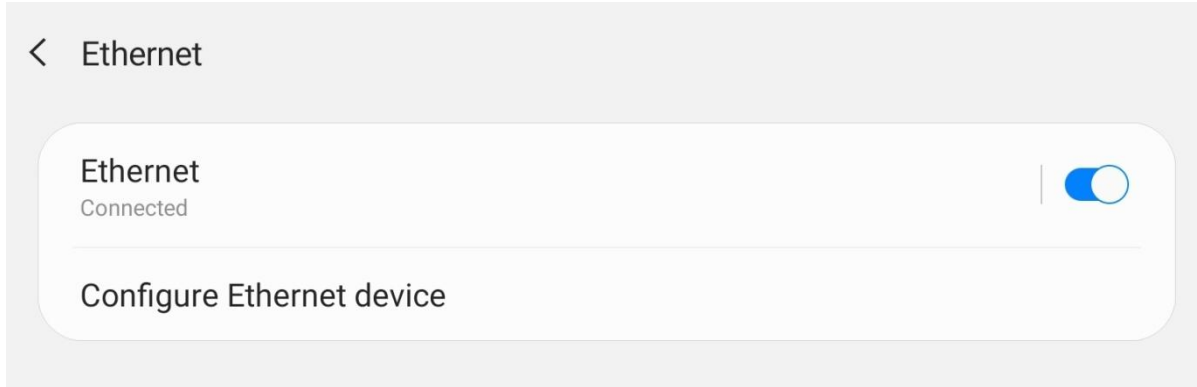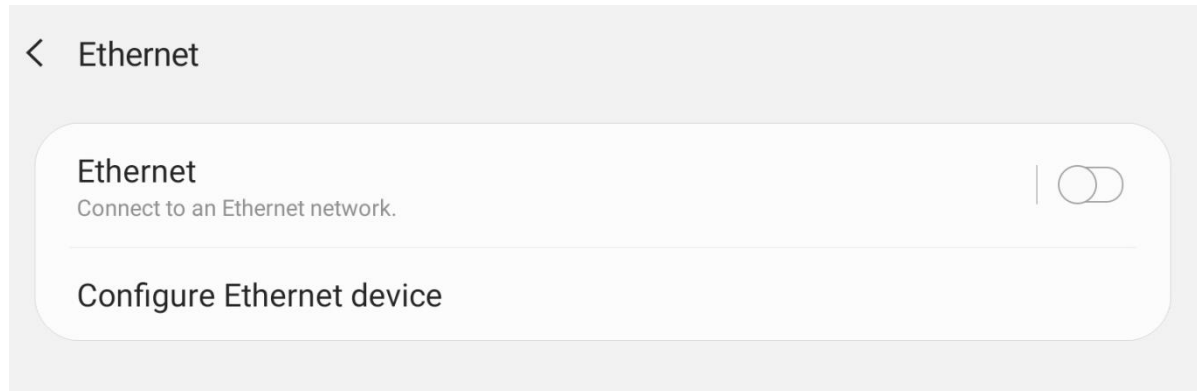

Figure 2: Ethernet enabled on mobile device

Figure 3: Ethernet disabled on mobile device

The Lenovo tablet should have DHCP enabled by default. If your network does not have a valid DHCP server, you will need to manually configure an IP Address for the device.

To manually configure an IP Address, you will need to disable the Ethernet connection on the Ethernet page before selecting "Configure Ethernet Device". From here, you can select "Static IP" and specify the IP Address settings to be used by the tablet.
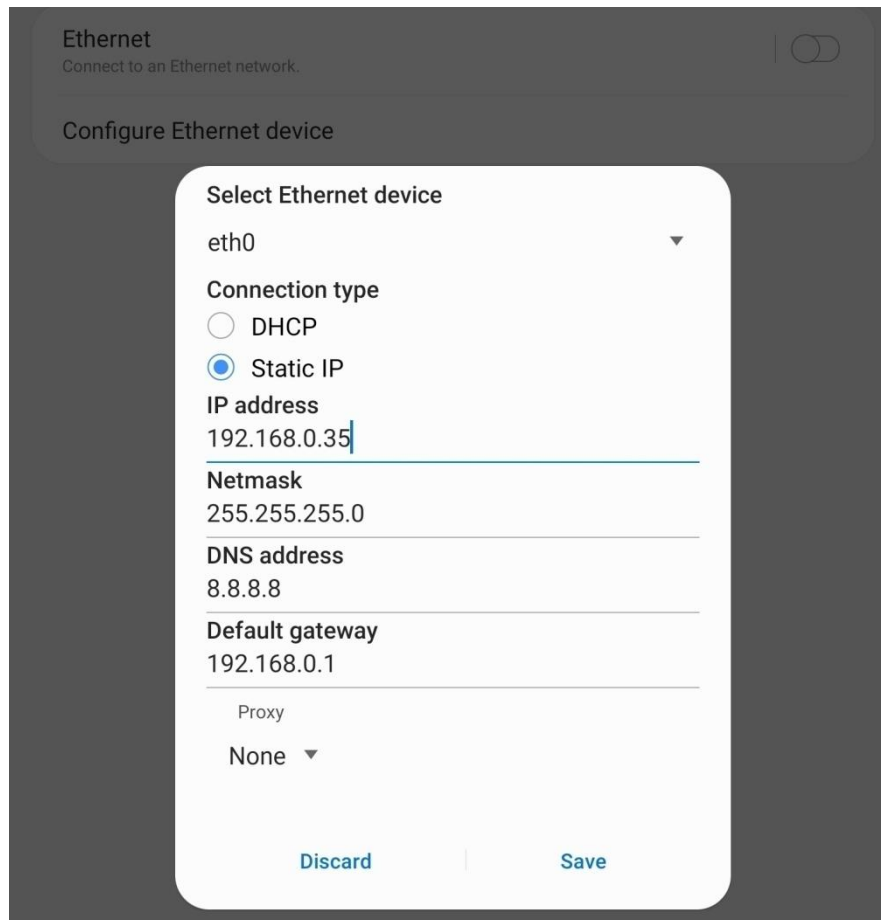

Figure 4: Example of Static IP configuration on a mobile device

Once the IP Address has been configured, you will need to re-enable the connection on the Ethernet page in order to use the wired connection.

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