LT1 DIY DONATION ENCLOSURE

For the Lenovo Tab One 8.7" Tablet with either
SumUp Air, Solo, Solo-Lite or Stripe WisePad 3 Card Readers
Last updated 22.02.2026

This enclosure is designed specifically to fit the Lenovo Tab One 8.7" tablet released in 2025.
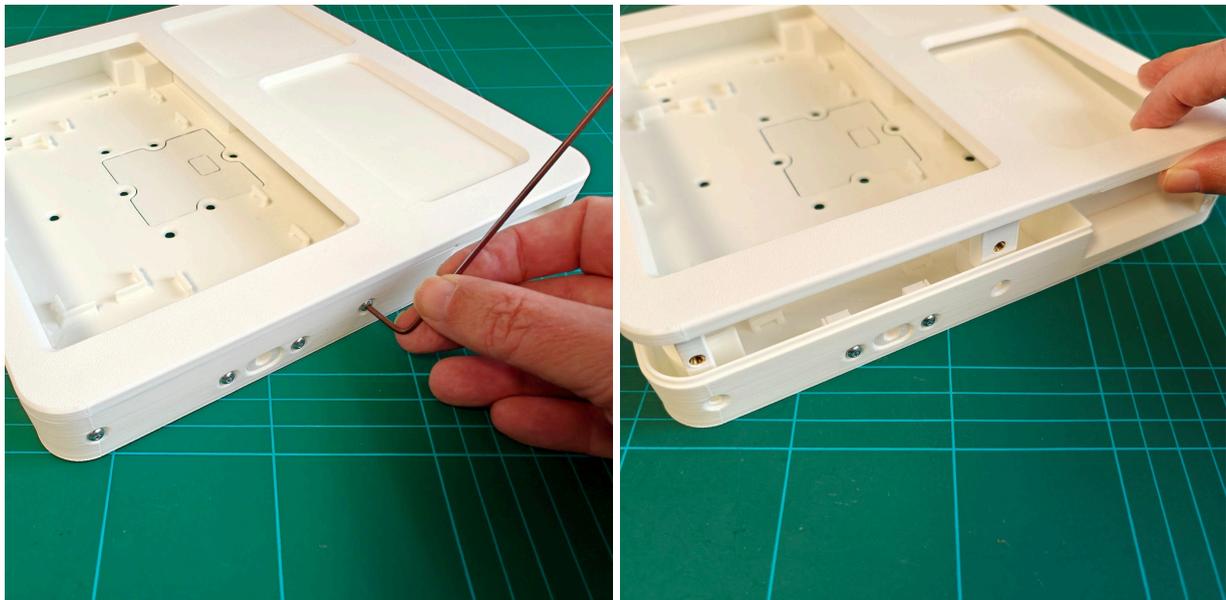**It is not suitable for other makes/models/generations of tablet.**

Do not regard this document as a definitive and complete set of instructions. It simply covers assembly and suggested cable routing using components that have been tested as being suitable for the given application. We also do not cover setup/configuration of the tablet, your card reader or the donation software. You will need to refer to instructions provided by the manufacturers/developers of those products.

Unboxing

When your LT1 arrives, it will be assembled. Not only is this the safest way for us to ship the product but it also allows us to check everything fits together and none of the brass inserts have damaged threads.

Open the enclosure

To separate the front and rear, remove the middle and two outer screws from the bottom of the enclosure using a 2.5mm Allen Key (as provided) and store them in a safe place. Starting at the bottom edge, lift the front. The top edge is secured using 3 cleats and will release once the bottom edge has been lifted a couple of centimeters.

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Power cable strain relief bracket

If you intend to route the main USB power cable through the bottom of the enclosure (not through one of the rear knock-outs), you will need to remove the strain relief bracket. Undo the 2 screws next to the opening and store them in a safe place. Then use your thumb or something blunt, such as the end of a pencil or the handle of a small screwdriver to push the bracket inwards, away from the edge of the enclosure.

Store the strain relief bracket along with the screws for later use.
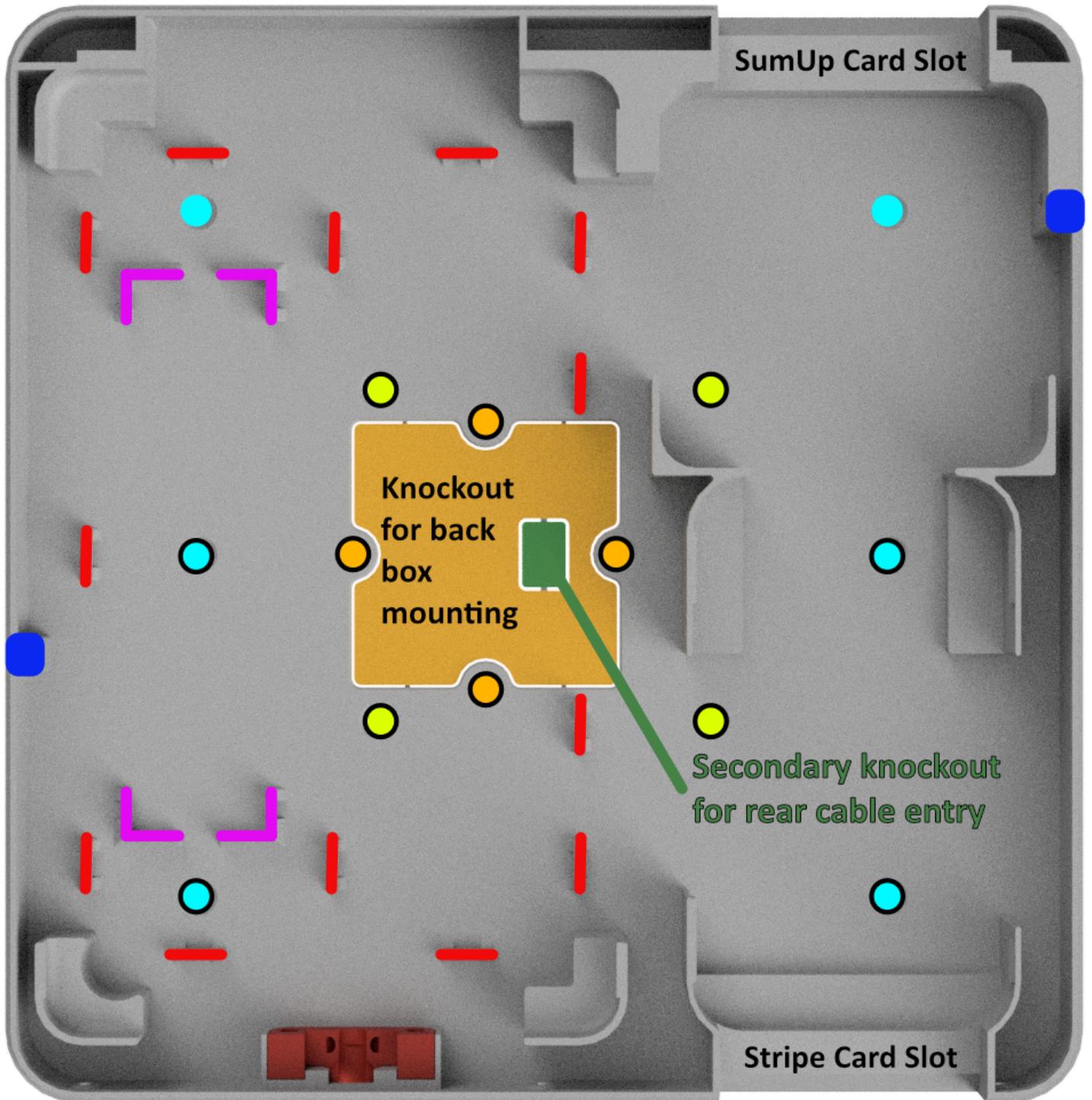
Devices & Locations

The Donation Frame is designed to use either SumUp Air, SumUp Solo, SumUp Solo Lite or Stripe Wisepad 3 card reader. It has also been designed to house a USB-C hub and specific cables from UGREEN. Multiple cable tie bases have been provided to secure internal cabling.

The main power cable can either enter the enclosure via an entry point on the bottom edge or knockout panels on the back.

The USB-C hub serves two purposes. Firstly allowing a single cable from a wall charger to power both the tablet and card reader. Secondly, to provide USB communication between the Stripe Wisepad 3 and the tablet/Givalittle app.

There are also two keyholes on the side of the rear frame. These provide access to the power buttons of both the tablet and (if used) SumUp card reader using the supplied 'key'. This prevents the devices from being accidentally (or intentionally) powered off by more curious users.

Rear Frame Locations

SumUp Card Slot

Knockout for back box mounting

Secondary knockout for rear cable entry

Stripe Card Slot

🟦	Power 'key' openings	🔵	Wall mounting / desktop leg screw holes
🟥	Cable tie bases	🟠	Back box mounting holes
🟪	USB hub locators/cable tie bases	🟢	VESA compatible (75mm) mounting holes
🔵	Wall mounting screw holes		

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Wall Mounting

Multiple mounting holes are provided, together with a knockout area and 4 holes that have the same spacing as those on a single UK backbox (as used behind a light switch or single socket). The back box mounting holes are designed to accept the standard 3.5mm screws normally used to mount a switch or socket. The remaining mounting holes are sized to accept 4mm countersunk screws.

If the mounting location is temporary or you are unable to use screw-fixings, wall mounting is still possible using 3M Command Strips. Be sure to follow the instructions provided with Command Strips to obtain a reliable fixing.

As mounting holes will be blocked once the hub, card reader and tablet are installed, it is important to fix the enclosure to the wall prior to fixing those devices in position.

Attaching Optional Legs For Desk Mounting

The optional legs should be attached prior to adding the USB-C hub, routing cables and adding the card reader and tablet. They attach to the rear frame using countersunk M4 machine screws included with the legs.

Cable Routing

Prior to mounting the tablet and card reader, place the USB-C hub into the rear frame and route the USB cables. If you have chosen to use a different hub or longer cables, experiment to find the tidiest way to route the power cables to their required locations. If using the recommended cables and hub, images of suggested cable paths are included in the following section.

Power Cable Strain Relief

If you will be running the main power cable out of the bottom of the enclosure, to make installation easier, insert the cable tie into the strain relief bracket prior to re-attaching it to the enclosure. Pass the USB-C end of the cable through the opening in the rear of the enclosure and run it through the cable tie. You can then re-attach the strain relief bracket. Do not fully tighten the cable tie until your cable routing is finalised. Re-install the screws to secure the strain relief bracket - do not over-tighten. Finger tight is enough.
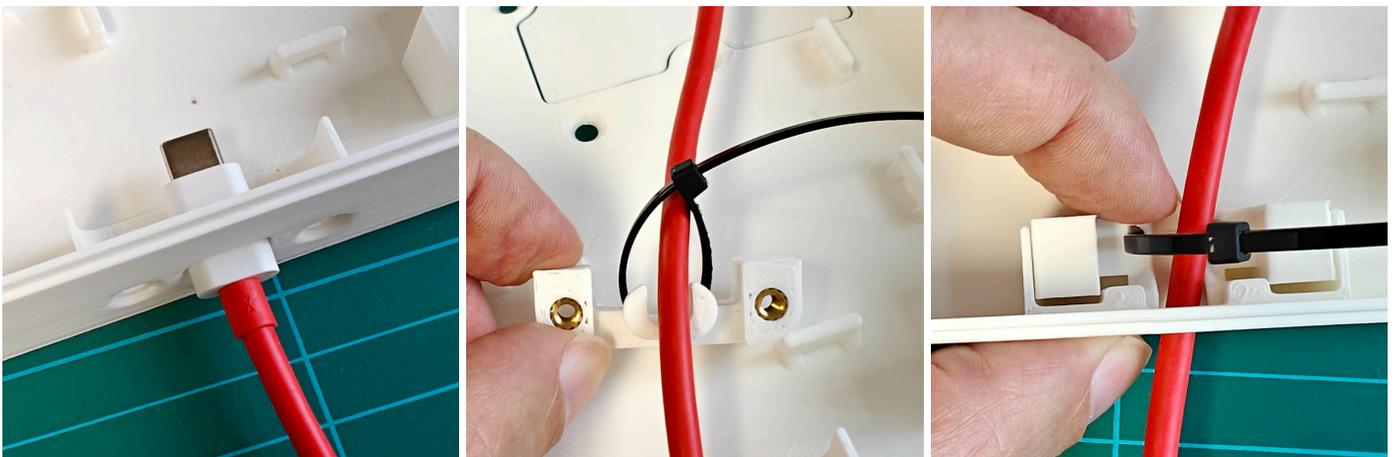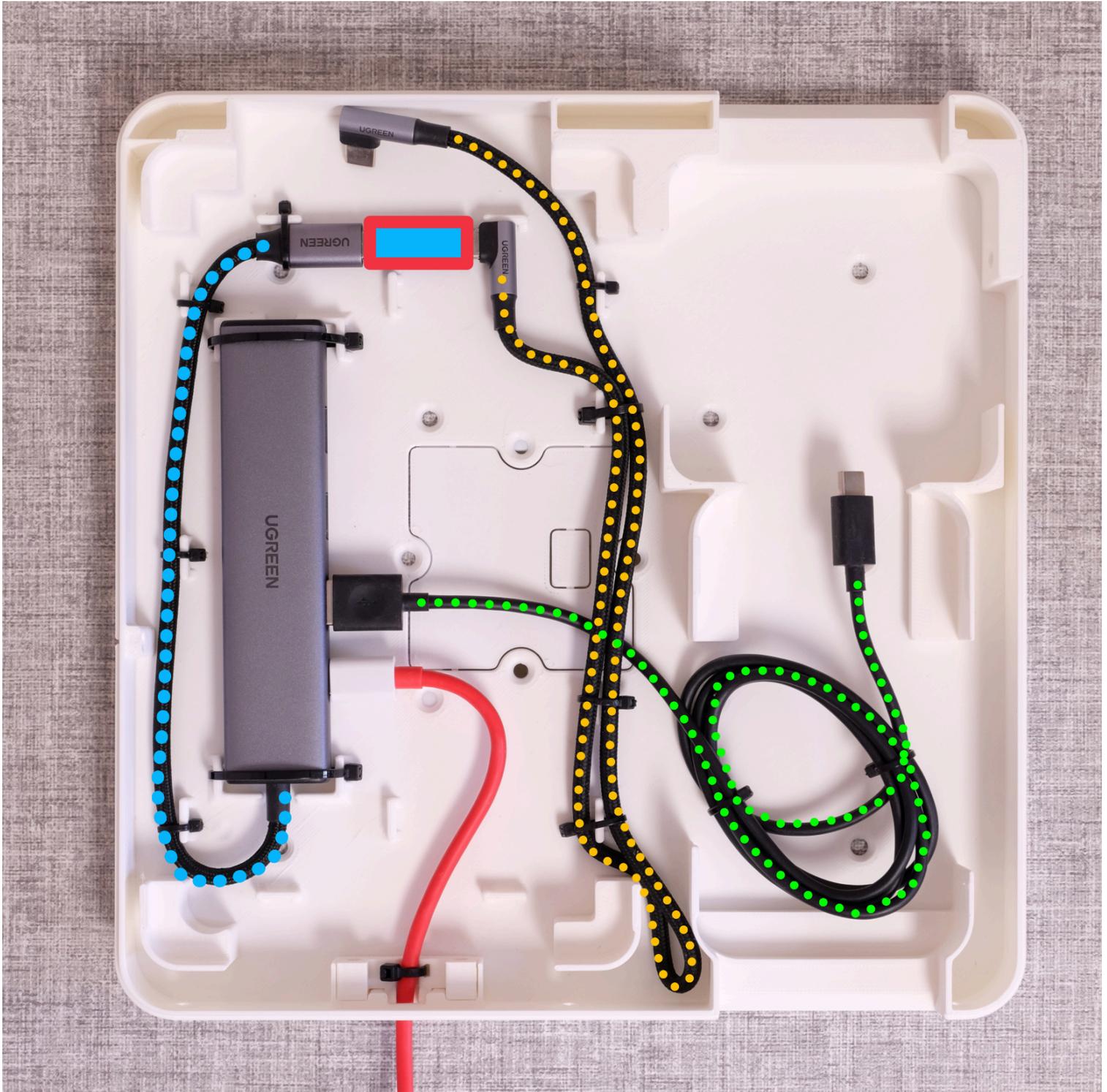
Note: USB-C Coupler

Why is a coupler needed?
Simply to allow the use of a right-angled power connector for the tablet!
The vast majority of powered USB-C hubs have a short captive cable designed to be plugged into the primary device (i.e., the tablet). These generally have straight USB-C connectors requiring at least 40mm of clearance around the tablet. In order to accommodate this requirement, the enclosure would have to be much larger, limiting the printers used for production and increasing production costs. We have tried to source alternative adaptors but the straight couplers are readily available, cheap and reliable.
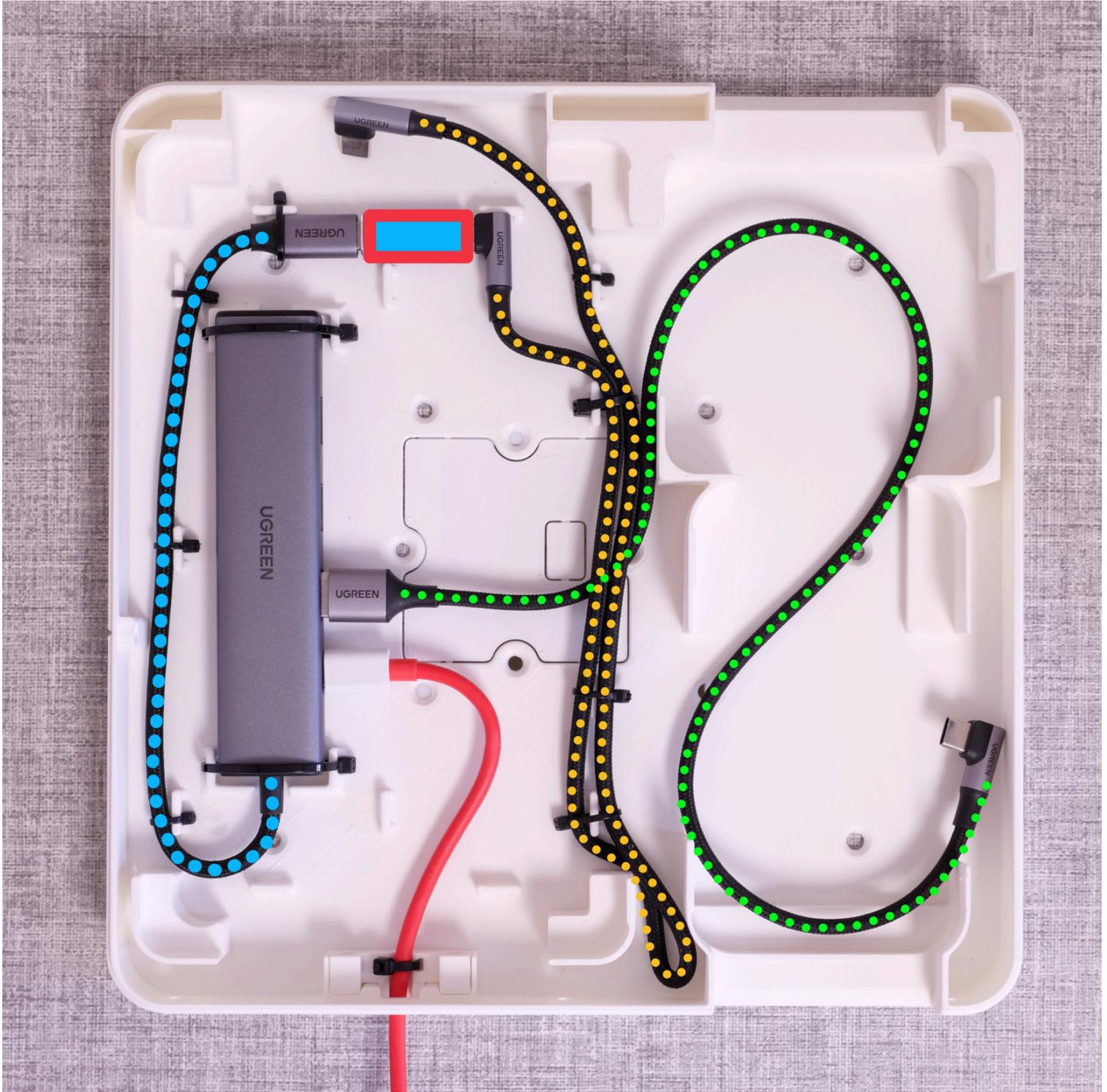
Although USB-C connectors can be plugged in either way round, we have found the cable from the USB-C Hub to the USB-C coupler will only operate in one orientation. To test the correct orientation, temporarily connect everything (including the tablet) and plug in to the charger. If there is a light on the USB-C coupler, all is good. If no light appears, unplug the hub connector from the coupler, flip it the other way up and plug it back into the coupler. The light should illuminate and the tablet/card reader will power on. Once you have ascertained the orientation is correct, complete routing the cables.

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Cable Routing - Sumup Card Readers:

Main power cable (charger to hub):
To hub: Straight USB-C

Hub to USB-C coupler

USB-C coupler

USB-C Coupler to tablet:
Straight or Right angle USB-C to Right Angle USB-C

Hub to card reader:
SumUp Air: Straight USB-A to Straight Micro-USB
SumUp Solo/Lite: Straight USB-A to Straight USB-C

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Cable Routing: Stripe WisePad 3:

Main power cable (charger to hub):
To hub: Straight USB-C

Hub to USB-C coupler

USB-C coupler

USB-C Coupler to tablet:
Straight or Right angle USB-C to Right Angle USB-C

Hub to card reader:
Straight USB-A to Right Angle USB-CStraight USB-C

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Installing the Tablet

Ensure the tablet is the right way up, i.e. with its USB-C connector facing the top of the rear frame. This may appear to be incorrect but placement of the power button and SumUp reader forces the tablet to be in this orientation (with the camera at the bottom). Plug in the USB-C connector.

The tablet simply clips into the rear of the enclosure. Offer it up at a slight angle to engage it under the clips on one side of the mounting points. Then apply gentle pressure on the opposite side to engage the remaining clips.

You should not have to force the tablet in place - if you experience resistance, check whether the hub or cabling under the tablet is preventing it from being positioned correctly. Re-route if necessary.

Installing the Card Reader

SumUp Card Readers

This reader simply drops into place and the cable can be connected before or after placement. The Micro-USB connector for the SumUp Air will only fit in one orientation so it may be easier to plug in before placing it into the frame. Both versions of the Solo readers use USB-C so can be inserted in either orientation.
Note - Solo readers: Early versions of the LT1 require a spacing shim to be installed under the reader to raise its height. The design has since been modified to accommodate both the Air and Solo devices.

Stripe WisePad 3

There are small mounting clips to hold the WisePad in place. Plug in the right-angled USB-C connector prior to mounting. Place one side of the reader under the corresponding clips, then apply pressure to the opposite side of the reader to engage the other clips. Once again, this should not require excessive force. If there is resistance, check you haven't trapped a cable.

Blanking Plate - Unused Reader

Blanking plates are supplied to fill the space left by the empty card reader location.
The plate is simply dropped into place before attaching the front frame. Take note of the orientation as one edge is designed to block the unused card slot opening.

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The Front Frame

Give your setup a final operational test before attaching the front frame!
Attaching the front frame a reversal of the removal procedure in the unboxing section.

With the front at a slight angle (around 15 degrees), engage the 3 'cleats' on the rear of the front with the corresponding slots on the rear frame, then lower the bottom. The first picture below shows the central at an exaggerated angle. The second picture shows the angle required to engage them.

Once the cleats are engaged, lower the front frame. You may need to work around the edges, applying some pressure to engage the front evenly with the rear.

Front Frame Screws

Brass threaded inserts in 3 locations at the bottom of the front frame enable the two parts of the enclosure to be locked together.

When inserting the screws, apply pressure to the front frame above the screw location. This will help line up the screw hole in the back frame with the threaded insert in the front.

Re-apply the pressure as the screw begins to tighten. This will help lock the front and rear together in the correct position. Do not over-tighten the screws and do not use power tools. They only need to be 'finger tight'.

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Power Key

Access to the power buttons of both the tablet and (if installed), SumUp Air card reader is via a power 'key'. This can be inserted into side openings on the enclosure:

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Appendix - Additional Components

Listed below are components we recommend for use with the LT1 DIY Donation Enclosure.
While longer cables and an alternative hub could be used, we have chosen UGREEN items because they are of consistent quality and available worldwide, either directly from UGREEN or via Amazon or eBay. In addition, many cheaper brands of cables and hubs do not provide enough power to the tablet for it to charge with the screen on.

If you wish to use an alternative USB hub, there is an absolute maximum clearance of 14mm under the tablet.

Note: The power cable supplied with the SumUp air can be used for connection to the hub. Additional cables are required for the SumUp Solo and Stripe card readers as detailed below.

Card Readers

- **SumUp Air, SumUp Solo, SumUp Solo Lite**
  Connect to the tablet via Bluetooth and offer basic donation transactions. Can be purchased from Payaz, directly from SumUp and are also available from a number of online and high-street retailers.
- **Stripe WisePad 3**
  Connects to the tablet via USB and offers additional functionality such as 'tap and go' and recurring donations. The Stripe WisePad 3 must be obtained from Give A Little.
  Please email the Give A Little team at hello@givealittle.co for further details.

Hub & Cables

- **USB-C Hub:**
  UGREEN Revodok 5-in-1 USB-C Hub (100W PD, 4K@30Hz HDMI)
  UGREEN SKU: 15495

- **Main Power Cable (Charger to Hub - Length to Suit Location)**
  UGREEN USB A to USB C Cable 3A USB to USB C Charger Cable
  1M Version: UGREEN SKU: 60126   2M Version: UGREEN SKU: 60128
  3M Version: UGREEN SKU: 60408

- **USB-C Coupler (Connects Hub to Tablet Cable)**
  Unfortunately, UGREEN does not produce a suitable coupler. There are many examples of a suitable device on both Amazon and eBay.

  The version used in our tests is the ***Maxhood USB C Female to Female Adapter*** pictured. This coupler supports both data and charging - if purchasing an alternative, ensure your version of choice has the same features.

- **Double Right Angle USB-C Cable (from USB-C Coupler to Tablet)**
  USB-C to USB-C (Double Right Angle) Charger Cable - 0.5m
  UGREEN SKU: 10358

- **USB-A to USB-C (straight) SumUp Solo/Solo Lite to hub. (SumUp Air can use the cable included with the device).**
  UGREEN USB A to USB C Cable 3A USB to USB C Charger Cable 0.5m
  UGREEN SKU: 60125

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- **USB-A to USB-C (Right Angle) Cable (Stripe WisePad 3 to hub)**
  0.5m USB-A to USB-C (Right Angle) 18W Charger Cable - UGREEN SKU: 50940

Wall Mounting Components

As there are many potential wall types, we can only provide screw sizing - your handy person will be able to determine the type of wall fixing required.

- **Direct Wall Mounting:** *4mm Countersunk Screws*
- **Over-Back Box Mounting:** *3.5mm countersunk electrical box screws*
- **Non-Permanent Wall Mounting:** *20mm wide Command Strips*
  Follow the instructions precisely, otherwise adhesion can be poor!

Further Notes

Screen Opening

The screen opening on the predecessor of the LT1 (the LM84) was sized to restrict access to 'swipe down' menus and the tablet navigation bar in order to prevent unauthorised and inappropriate use. Subsequent changes to the Android Operating System (gesture navigation, increased swipe sensitivity and effective area) rendered that approach ineffective so the screen opening on the LT1 matches the available screen size of the Lenovo tablet.

Organisations experiencing unauthorised use of unattended devices should research lockdown applications such as Fully Single App Kiosk.

Support

The LT1 DIY Donation Enclosure is supplied as a DIY solution to house components suitable for assembling your own donation point.
The components in this document are purely suggestions and their availability is out of our control.
We do not offer any form of support relating to the setup of the devices and associated software required to make the solution functional. Such support should be provided by the relevant product manufacturers, software developers and service providers.

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