THE UNIVERSITY OF CHICAGO
DATA SCIENCE INSTITUTE

Network Measurement Device Installation Instructions

Please contact us at
broadband-equity@lists.uchicago.edu
for questions and additional help with installation
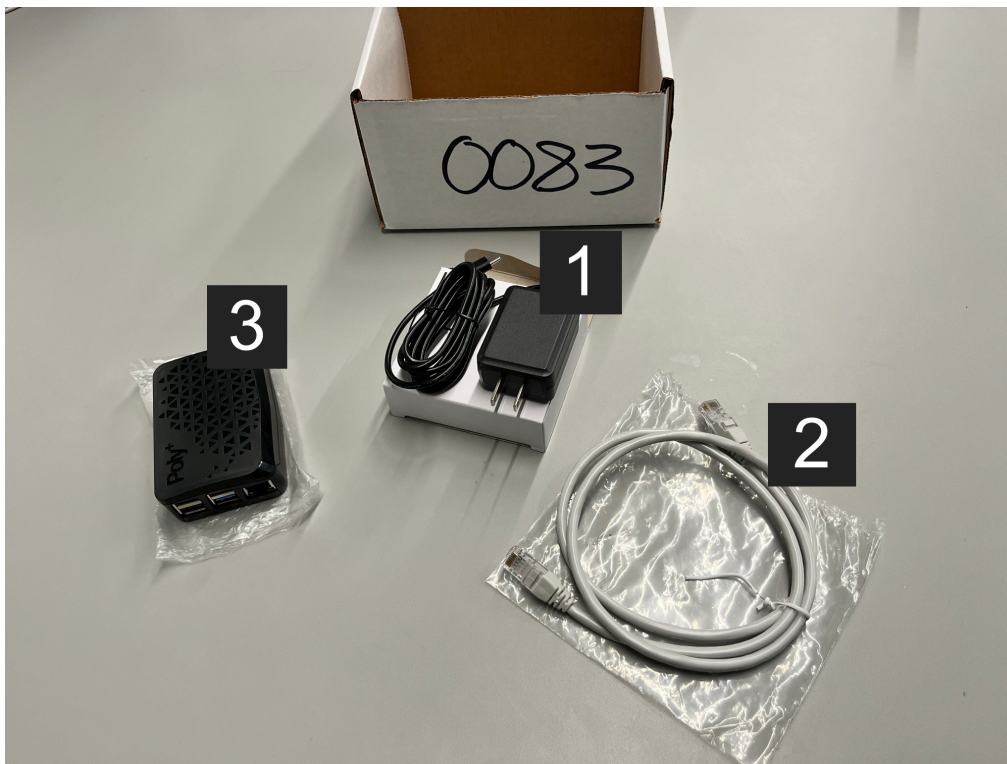
STEP 1. Unbox the Measurement Device

Figure 1. Measurement Device Components

The measurement device includes (see **Figure 1**):

1 **A Power Adapter (Black)**
2 **An Ethernet Cable (Grey)**
3 **A Measurement Box**
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Quick Start Guide

1. Locate your "source" of Internet connectivity (modem/router combo or wireless router) → **page 3**
2. Connect measurement box **3** to modem/router using Ethernet cable **2** → **page 4**
3. Connect measurement box **3** to power outlet using power adapter **1** → **page 5**

STEP 2. Locate the "source" of your Internet connectivity (the equipment that enables your home Internet connection)

Connect the measurement box to your **wireless router** or **modem/router combo** shown in **Figure 2**. These devices should have additional Ethernet ports on the back where you can connect the measurement box.

Figure 2. wireless router (left) and modem/router combo (right)

The measurement box will work best if connected directly to these devices. DO NOT connect the box to a WiFi extender or other networking equipment.

Note: You will need an available power outlet near your "source" of Internet connectivity to power the measurement box (see **Step 4** below).

STEP 3. Locate an available Ethernet port on router or modem/router combo and connect your measurement box to that port with the yellow Ethernet cable

Through an available Ethernet port (see **Figures 3 and 4**) on your modem/router combo or wireless router, you can connect the measurement box using the yellow Ethernet cable. **Plug one end of the Ethernet cable into the port on the measurement box and plug the other end of the cable into an available port on your modem/router combo or wireless router**.
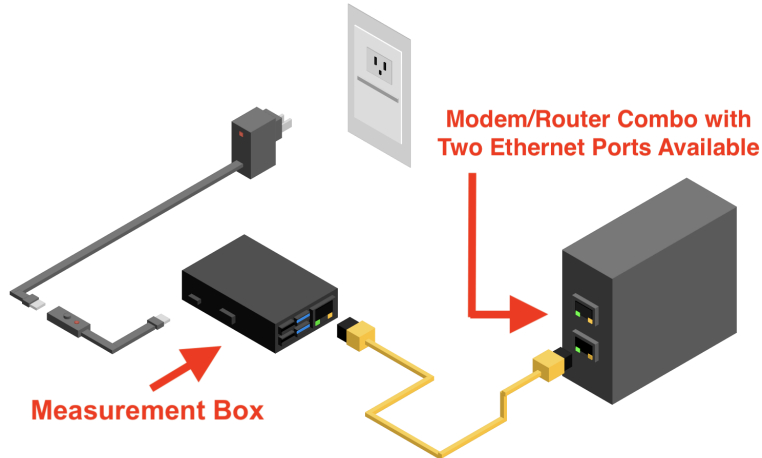

Figure 3. A direct connection between the measurement box and a modem/router combo using the yellow Ethernet cable

Figure 4. Available Ethernet ports on a wireless router

STEP 4. Connect the measurement box to a power outlet and turn on the power switch

As shown in **Figure 1** above, the power adapter `1` connects the measurement box `3` to a power outlet. Once connected, the device will turn on immediately. You should see a red light on the device, indicating that the device is on.

Once the device is on and the Ethernet cord `2` is connecting your measurement box to your modem/router combo or wireless router, blinking green `▮` / yellow `▮` lights on the measurement box's Ethernet port (see **Figure 5**) will signal that the device is connected to the Internet.
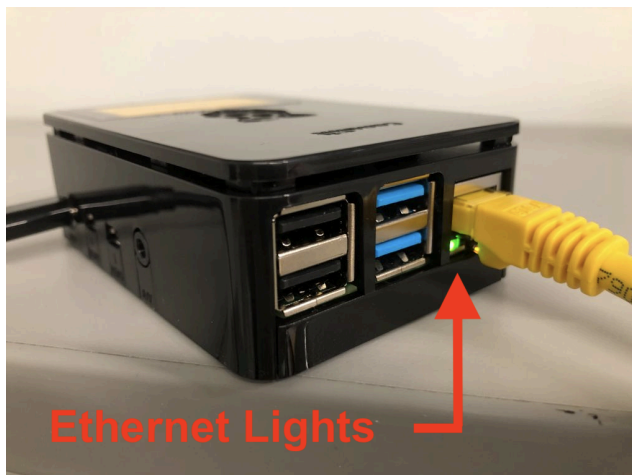

Figure 5. The measurement box Ethernet port with blinking lights signalling a connection

Please email us at broadband-equity@lists.uchicago.edu after you install the device so that we can confirm device activity.

Thank you for participating in the study!