

Standard operating protocol

Putting together a RAPID

This visual guide goes with SOP Installing a RAPID in a participant's home. It's important to follow the order given here, or the Raspberry Pi may fail to detect the Dylos and MiFi and therefore fail to send data to the server.

1. Check you have the required components and cables:



Dylos DC1700 monitor



Huawei E5330 MiFi (yours may look slightly different)



Raspberry Pi mini-computer

2. Plug the Dylos power cable in and insert both it and the serial end of the USB-serial cable into the side of the Dylos (note that your USB-serial cable may look slightly different). If the connection feels loose, you may choose to tape it on:



3. Plug the other (USB) end of the USB-serial cable into the Raspberry Pi:



4. Plug the USB-microUSB cable into the MiFi, and turn the MiFi on (with a Huawei E5330, you do this by holding down the button until the lights come on green):



5. Plug the other end of the USB-microUSB cable into the Raspberry Pi:



6. Turn on the Dylus by pressing the  button and making sure the button on the side (if present) is in the up position. The fan should start, and the screen should begin displaying messages in green (it may say "logging data", or in a few cases it may show two numbers):



7. Plug in and insert the Raspberry Pi power cable. The LEDs on the front of the Raspberry Pi should turn on:



8. You should now have a functioning RAPID. Check the web link given in SOP: Installing a RAPID to ensure that the monitor is functioning correctly and uploading data.

