Wire less System Documentation

A. Learning Center Location (Main)

Contents:

1 Rocket M5 with Grey Ethernet cable
1 LAN/POE power brick (Large)
1 Tripod tower
1 D-Link 5 port Ethernet switch
     --Power brick labeled D-Link
1 500 Gigabyte Western Digital external hard drive labeled SYS1
     --SS USB 3.0 (2.0) cable
1 Genesi SmartTop labeled SYS1/Tanzania
     --Power brick labeled Delta Electronics
1 Linksys Wireless G Router (WRT54GS)
     --Power brick labeled Linksys (Grey)
Ethernet cables

Installation Instructions:

Prior to installation, ensure that there are enough AC power outlets for each of the power bricks.

1. Connect the Rocket M5 to the tripod tower using the provided hardware.

Illustration 1: Rocket M5 with Grey Ethernet cable and Large power brick.

Illustration 2: Another view of the Rocket M5

2. Connect the Grey Ethernet cable from the Rocket M5 to the POE Ethernet port in the Large LAN/POE power brick.

3. Locate 1 Ethernet cable and connect it into the LAN Ethernet port in the Large LAN/POE power brick.

Illustration 5: LAN/POE Power Brick with both LAN and POE connected. LAN goes out to the Linksys Wireless G Router. POE goes out to the Rocket M5.

4. Connect the Ethernet cable from the LAN Ethernet port into 1 of the Linksys Wireless G Router Ethernet ports labeled 1-4.

Illustration 6: LAN/POE power brick with both LAN and POE connected. LAN will connect to the Linksys Wireless G Router.

Illustration 7: Linksys Wireless G Router. Note that the the serial ports labeled 1-4 are apart from the INTERNET port.

5. Connect the Internet providing Ethernet cable to the Linksys Wireless G Router port labeled INTERNET.

Illustration 8: The INTERNET Port is apart from Ports 1-4 and is clearly labeled INTERNET.

6. Locate 1 Ethernet cable and connect it into the Ethernet port in the Genesi SmartTop labeled SYS1.
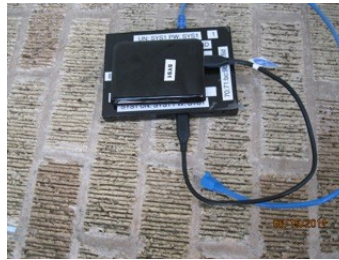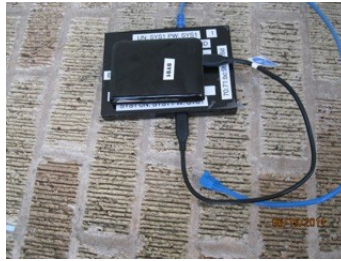

Illustration 9: Genesi SmartTop with 500 Gigabyte Western Digital external hard drive on top.

7. Connect the free end of the Ethernet cable in Step 6 into 1 of the ports labeled 1-4 of the Linksys Wireless G Router. (See illustrations for Step 5)

8. Locate the the 500 Gigabyte Western Digital external hard drive marked SYS 1 and the SS USB 3.0 (2.0) cable. (See illustration above)

9. Use the SS USB 3.0 (2.0) cable to connect the 500 Gigabyte Western Digital external hard drive to the Genesi SmartTop labeled SYS1.

10. Plug in all power bricks.

11. The system is ready to power on.

Illustration 11: The completed system.

Illustration 12: Components without the Rocket M5 in view. Note that the 5 Port Ethernet Hub is not in use.

B. Village Location (Remote1)

Contents:

1 Air Grid M5 with Grey Ethernet cable
1 Tripod tower
1 LAN/POE power brick (Small)
1 D-Link 5 port Ethernet switch
      --Power brick labeled D-Link
1 500 Gigabyte Western Digital external hard drive labeled SYS2
      --SS USB 3.0 (2.0) cable
1 Genesi SmartTop labeled SYS2
      --Power brick labeled Delta Electronics
1 D-Link AirPlus G
      --Power brick with Orange trim
1 Phone chord
1 MeterBus SunSaver connector with USB serial adapter
Ethernet cables

Installation Instructions:

Prior to installation, ensure that there are enough AC power outlets for each of the power bricks.

1. Connect the AirGrid M5 to the tripod tower using the provided hardware.

Illustration 1: AirMax M5

2. Connect the Grey Ethernet cable from the AirGrid M5 to the POE Ethernet port in the Small LAN/POE power brick.

3. Locate 1 Ethernet cable and connect it into the LAN Ethernet port in the Small LAN/POE power brick.

Illustration 5: Left: Genesi SmartTop with the 500 Gigabyte external hard drive on top. Center: D-Link AirPlus G Router. Right: D-Link 5 Port Ethernet Switch.

4. Connect the Ethernet cable from the LAN Ethernet port into 1 of the D-Link 5 Port Ethernet Switch ports. (See illustrations in Step 3)

5. Locate 1 Ethernet cable and connect it into the Ethernet port in the Genesi SmartTop labeled SYS2.

Illustration 6: Genesi SmartTop with 500 Gigabyte external hard drive on top. Ethernet cable (blue) is also shown.

6. Connect the free end of the Ethernet cable in Step 5 into 1 of the D-Link 5 Port Ethernet Switch ports.

Illustration 7: Right: D-Link 5 port Ethernet switch.

7. Locate 1 Ethernet cable and connect it into the D-Link AirPlus G.

Illustration 8: Center: D-Link AirPlus G router.

8. Connect the free end of the Ethernet cable in Step 7 into 1 of the D-Link 5 Port Ethernet Switch ports.

9. Locate the the 500 Gigabyte Western Digital external hard drive marked SYS 2 and the SS USB 3.0 (2.0) cable.

10. Use the SS USB 3.0 (2.0) cable to connect the 500 Gigabyte Western Digital external hard drive to the Genesi SmartTop labeled SYS2.
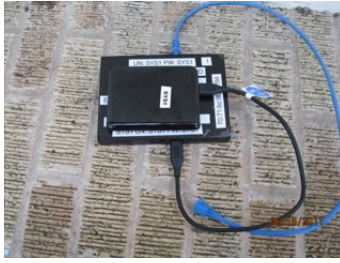

Illustration 9: Genesi SmartTop with 500 Gigabyte external hard drive on top.

11. Locate the telephone chord and connect it to the MeterBus SunSaver connector with USB serial adapter.
1. The USB side will plug into the Genesi SmartTop. The free telephone chord connector will plug into the SmartSaver.

12. Plug in all power bricks.

13. The system is ready to power on.