

Machine Connect 2.0 Quick Installation Guide

1. What's Included

- 1) Machine Connect 2.0 (4G LTE Only) device
- 2) USB cable for power adaptor
- 3) Power adaptor (indoor type, non-industry grade)
- 4) 2 units of external antennas
- 5) RJ45 cable.

1. Machine Connect 2.0
Main Device



2. USB Cable For
Power Adaptor



3. Power Adaptor



4. External Antenna



5. RJ45 Cable

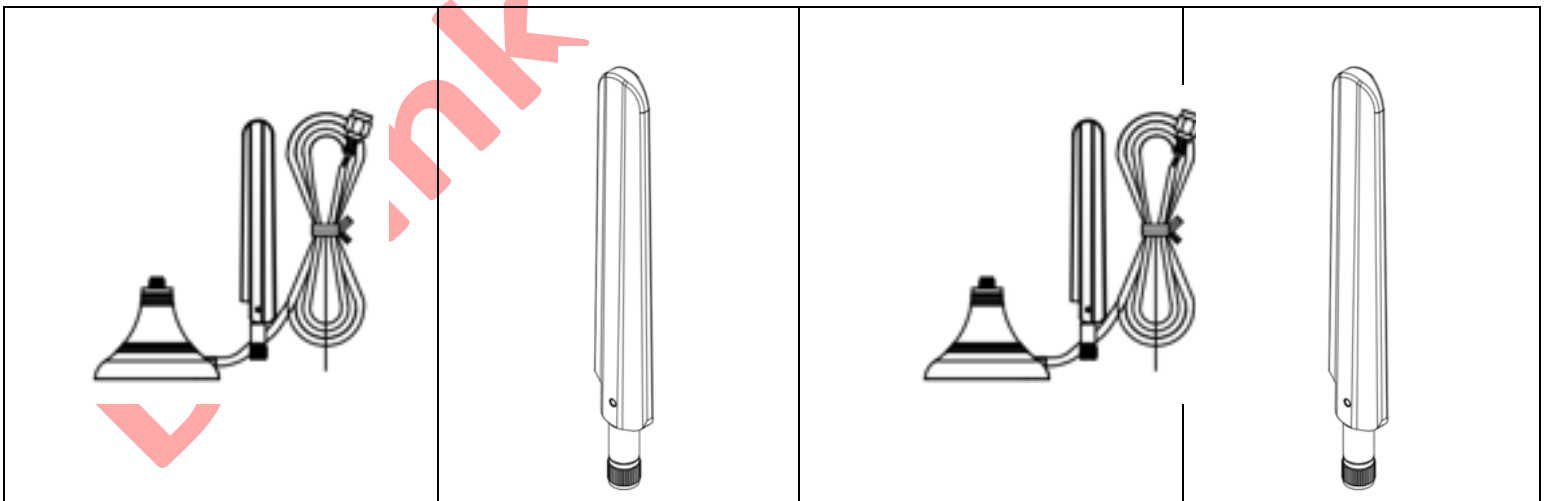


2. Antenna Information

There are 2 units of external antenna with 2 stands; which can be used to adsorb to any metal surface of machines.

These antennas can provide Verizon B2, B4 and B13 radio connections.

Note: Machine Connect 2.0 requires an antenna to work properly. These two antennas are only for testing purpose. Verizon does not certify them yet. You may also bring your own antenna.



3. Attaching the Antennas

Securely screw on the antennas:

- You don't need to figure out the PRI and DIV antenna when using the supplied antennas.
- This antenna is fixed turned to handle the PRI/DIV antenna characteristic.

If you want to use your own antennas that are different than to the supplied antennas; then you might need to follow the labeled PRI and labeled DIV for your own antenna.



Figure 1 Connect antenna to your device

4. Enable your device

Contact your Verizon business representative to activate your device on the Verizon Wireless Network by providing IMEI # and ICCID # listed on the back cover of the device.

5. Use Ethernet interface or USB data interface to the Internet

For Machine Connect 2.0 device, there are two interfaces that can be used to access the Internet. The first one is the fast Ethernet RJ45 interface, which is driverless for Linux based, and Windows based of host devices.

The second interface is USB interface, which also can be used for Linux based and Windows based. For Windows based hosts, this USB interface can only be used in Windows 7 and above.

Basically, RJ45 interface has the higher priority than USB data interface. So when these two interfaces are using at the same time, Machine Connect 2.0 will serve RJ45 only.

This USB interface is provided as the backward compatible to MC1.0 host.

6. How to check system status

For this Machine Connect 2.0, you can get the overall system status from WebUI. Depend on which interface is being used; there are two different IP address for host.

- a) When using the RJ45 interface, you can enter your WebUI page by the following information.
 - a. <http://192.168.17.1> with account/password: root/root for (A) and (B) in the figure 3.

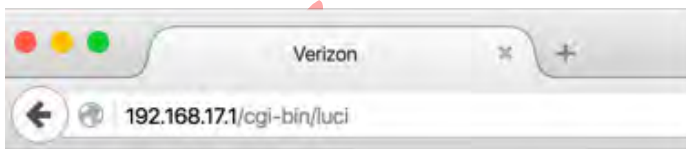


Figure 2 - URL address for RJ45 connection

- b) When using the USB data interface, you can enter your WebUI page by the following information.
 - a. <http://192.168.15.1> with account/password: root/root

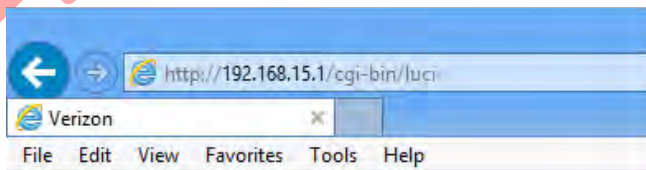


Figure 3 - URL address for USB data connection

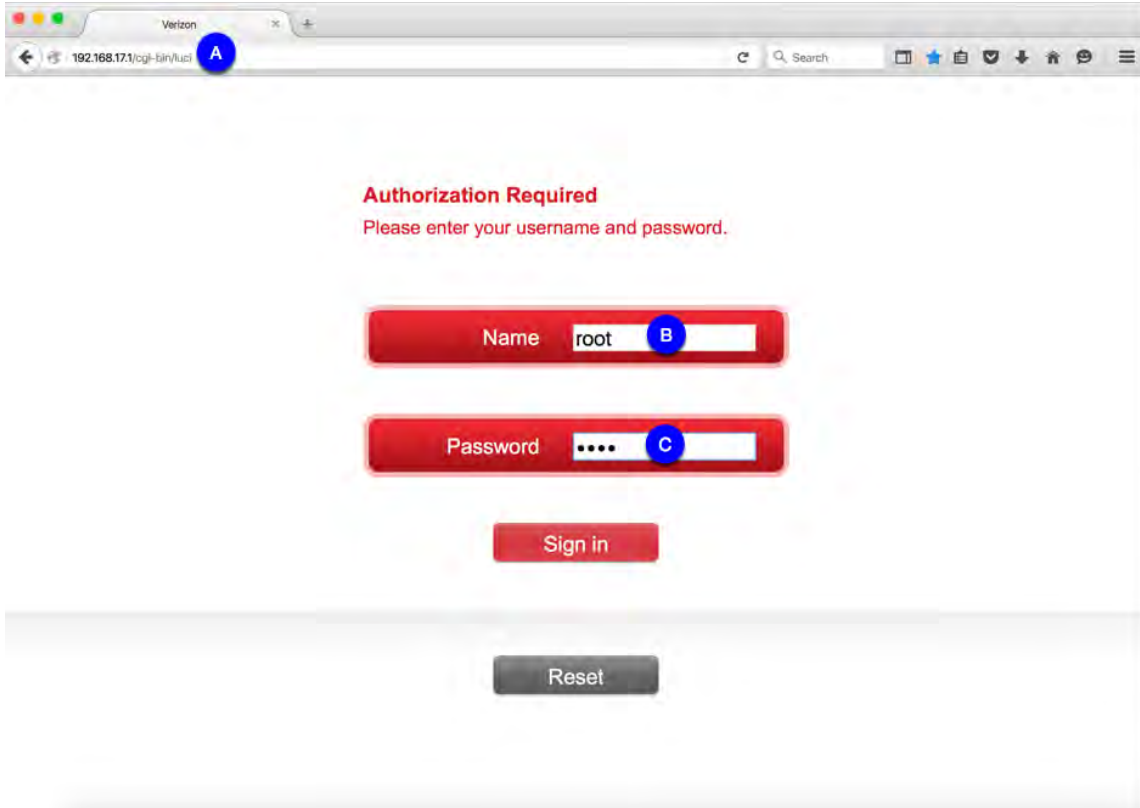


Figure 4 - WebUI

Once you enter the main page, you will see the following figure 5 from RJ45 connection or figure 6 from USB data connection.

If your device is connecting to Verizon LTE live network, you will see the LTE signal information in figure 7.

You can get the more detail information showing in figure 8 from the “diagnostics” button, (D), in figure 5.

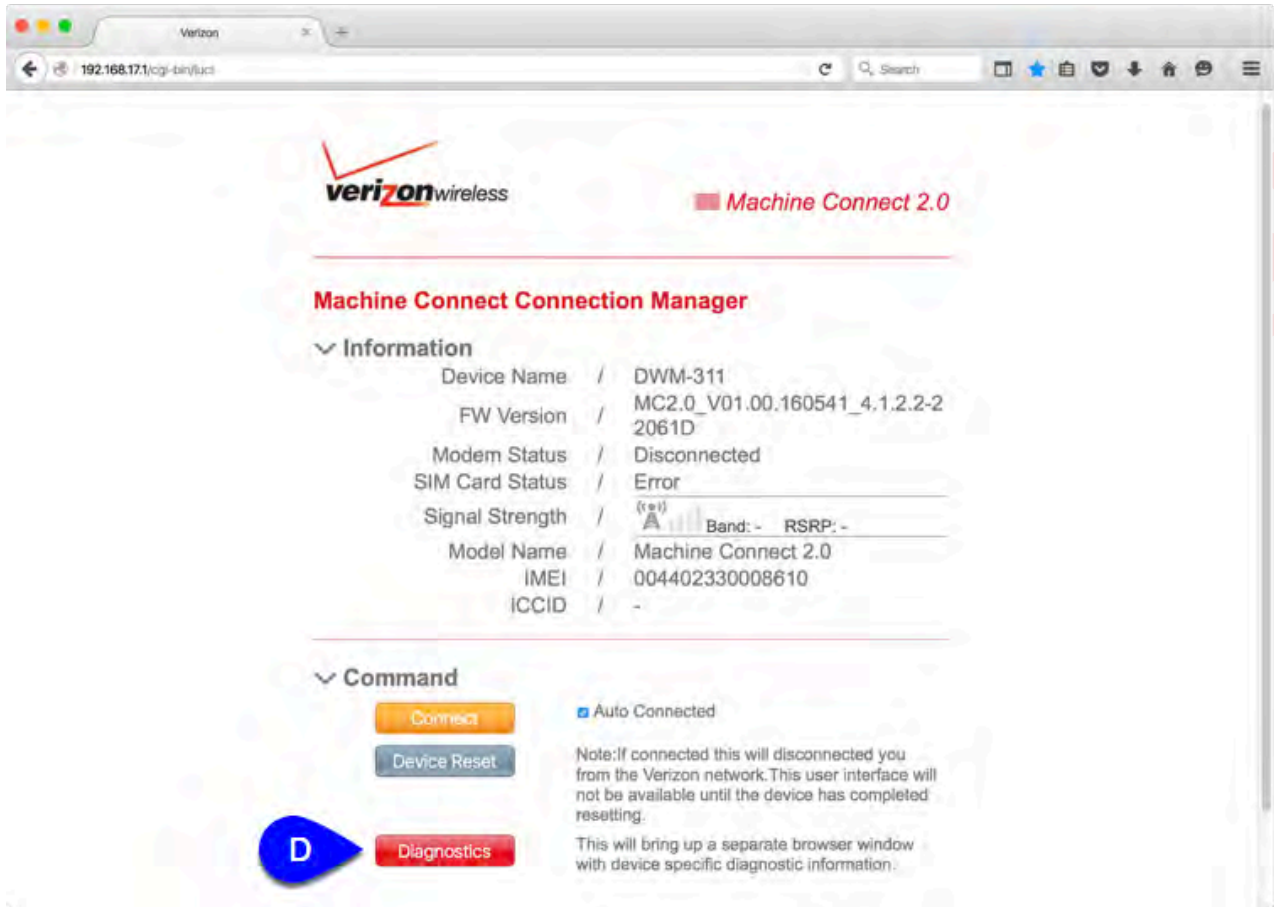


Figure 5 - Machine Connect 2.0 main page from RJ45 connection

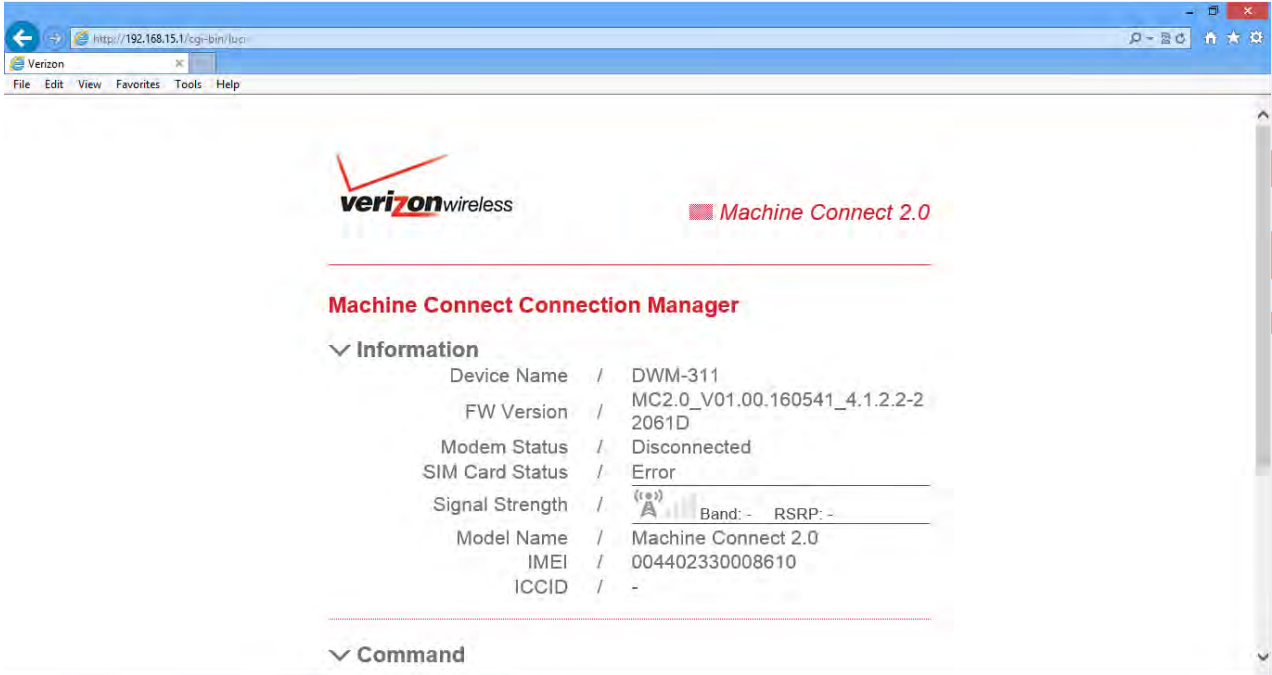


Figure 6 - Machine Connect 2.0 main page from USB data connection

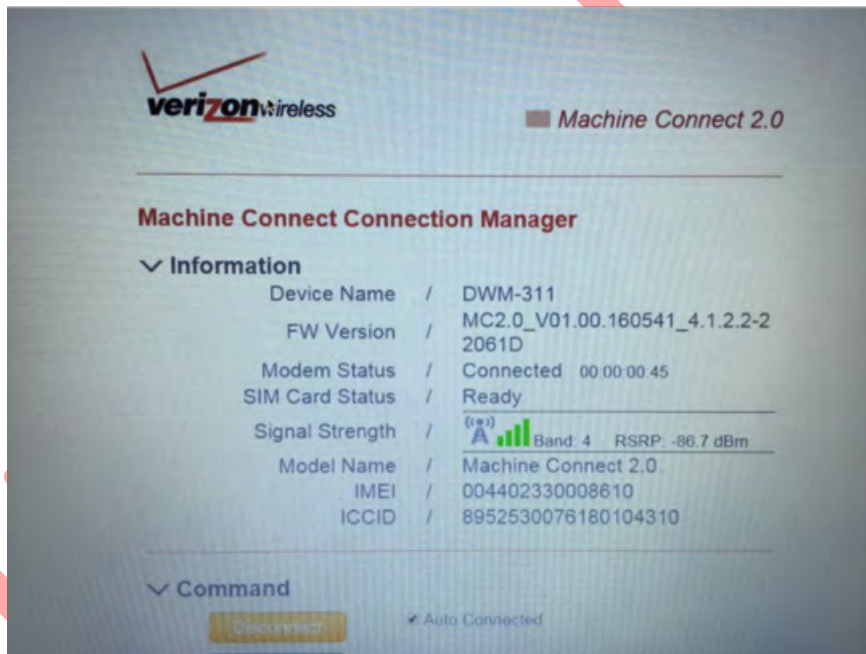


Figure 7 - LTE signal information

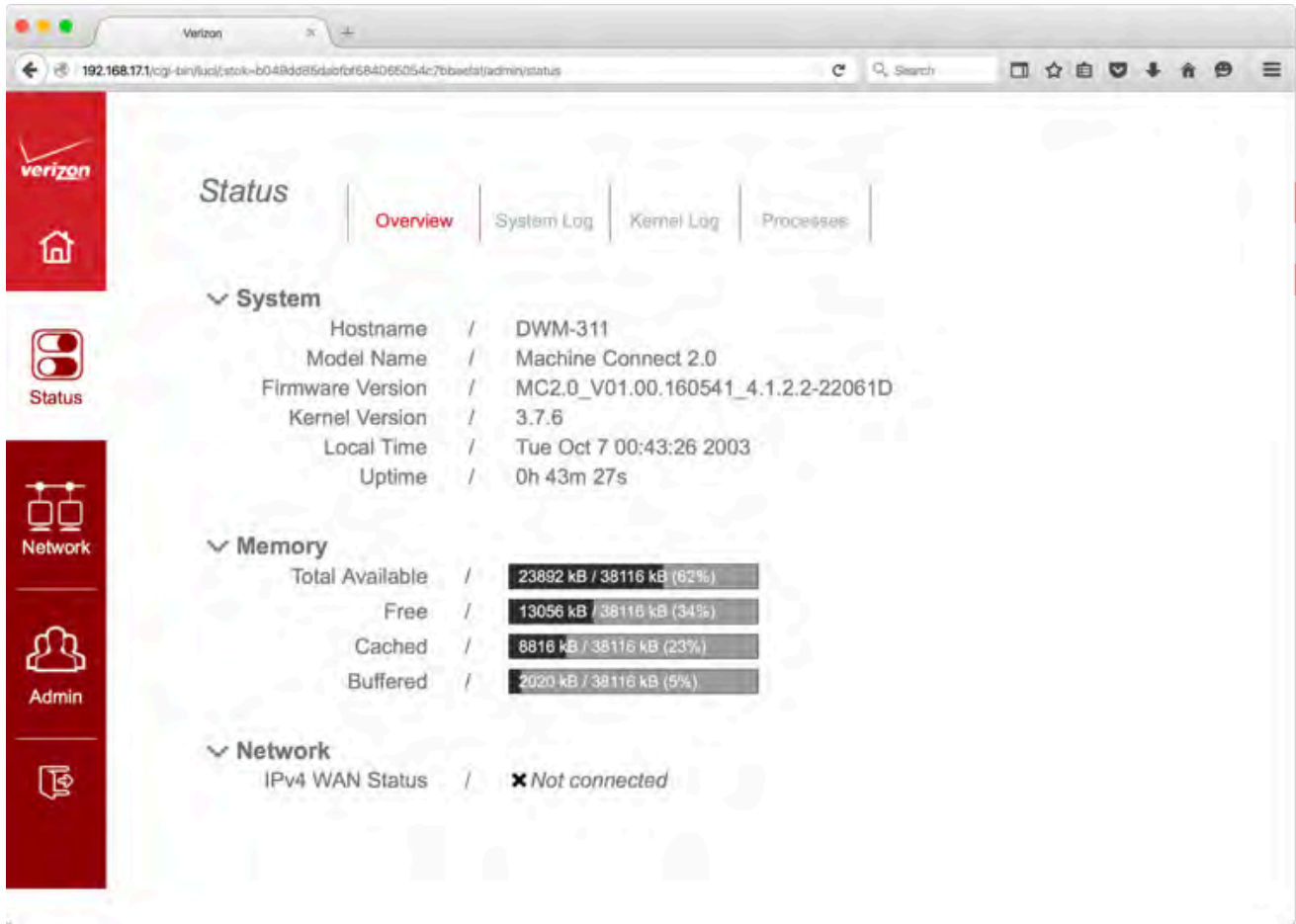


Figure 8 - Machine Connect 2.0 system status

7. FCC Regulations.

15.21 Information to user.

Notice:

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

15.19 FCC labeling requirements

License device:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.