



shiratech



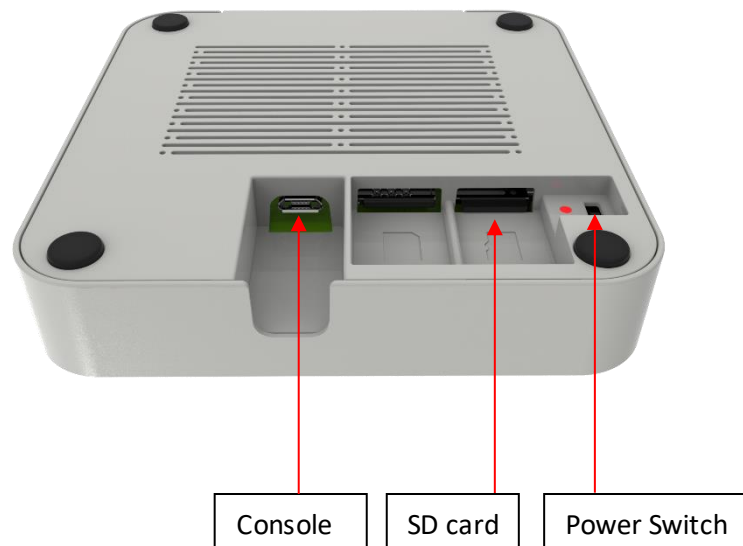
IoT-Box Quick Start Guide



Quick Start

Follow these instructions to start using your IoT-Box:

1. Download the IoT-Box Debian image from <http://www.shiratech-solutions.com/products/iot-box/>.
2. Extract the file and flash the image to an SD card (using Win32DiskImager or any other similar tool).
3. Insert the SD card to the IoT-Box.



4. Connect the IoT-Box to your PC using a micro USB cable via the Console micro USB connector and turn the power switch on.
5. Connect to the IoT-Box via the serial interface (using TeraTerm/Putty or any similar tool) with a 115200 baud rate.
6. Type:
~\$: nmtui
to launch the Wi-Fi settings and connect to Wi-Fi. Once Wi-Fi connection has been established you may update and upgrade the Debian OS using:
~\$: sudo apt-get update
~\$: sudo apt-get upgrade
7. Test Bluetooth connectivity using the following commands:
~\$: hciconfig
~\$: hciconfig hci0 up
~\$: hcitool scan

8. To locate Low Energy Bluetooth devices (BLE), use the following command (after executing the first two config commands in the previous step):

```
~$: hcitool lescan
```

9. In /usr/shiratech/demo/v1.1 folder you will find an Azure IoT connectivity demo application. In order to run the demo, you may refer to the readme file located in this folder.

10. /usr/shiratech/SPI/ contains the leds.sh test script:

```
./leds.sh red – lights up the LED's in red. (green/blue/off also apply).
```

```
./leds.sh – (without a parameter) will print the leds.sh script usage instructions.
```

11. /usr/shiratech/BG96/ contains test scripts for the BG96 modem.

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