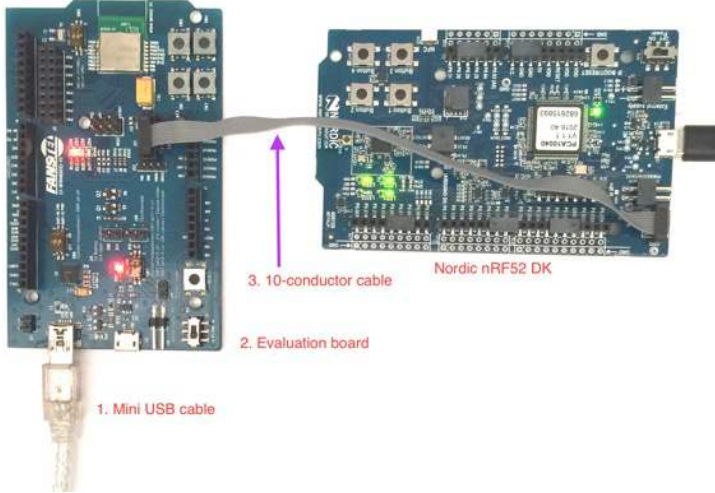


A BlueNor module evaluation board consists of the followings:

1. Mini USB cable
2. Evaluation board
3. 10-conductor cable for connection to Nordic nRF52 DK (not included).



Download Document, Hex and Source Codes

Hardware description and schematics are available at: <http://www.fanstel.com/download-document/>. If you need a different firmware from preloaded one, download from **Bluetooth 5 Codes** section of the same webpage.

BT832 firmware can be used in nRF52832 and nRF52810 modules without a power amplifier. For examples: BC832, BT832, BT832A, BT832F, and BT832AF.

BlueNor Mesh firmware can be used in BC832, BT832, and BT832F.

BT832X firmware can be used in nRF52832 modules with a power amplifier. For examples, BT832X and BT832XE.

BT840 firmware can be used in nRF52840 modules. For examples, BT840, BT840F, and BT840E.

Android OS Apps

Available for download from Google Play Store:

BlueNor nrf5x: to use with Bluetooth 5 stacks, AT commands, or Slave firmware. Master firmware does not connect to a smartphone. Source codes can be downloaded from <http://www.fanstel.com/download-document/>

BlueNor Mesh: to use with BlueNor mesh firmware to send command to any node in a mesh. Node number is displayed when acknowledgement is received. Source codes will be uploaded to Fanstel website when supporting Bluetooth 5.

iOS Apps

BlueNor Mesh: to use with BlueNor mesh firmware to send command to any node in a mesh. Node number is displayed when acknowledgement is received.

BlueNor nrf5x firmware, apps, and source codes will be uploaded when ready.

Nordic Development Tools

A Nordic nRF52 DK is recommended for programming this evaluation board.

Nordic development tools can be downloaded from: <https://www.nordicsemi.com/eng/Products/Bluetooth-low-energy/nRF52832/Development-tools-and-Software>

Preloaded Firmware and Android/iOS App Summaries

EV Board	Firmware	Description	Android/iOS Apps
EV BT832	<i>BT832_BlueNor_Nrf5x.hex</i>	Bluetooth 5 stacks	<i>BlueNor nrf5x</i>
EV BT832F	<i>BlueNor_mesh.hex</i>	OpenMesh, pre-Bluetooth 5 stacks	<i>BlueNor Mesh</i>
EV BT832A	<i>BT832_BlueNor_Nrf5x.hex</i>	Bluetooth 5 stacks	<i>BlueNor nrf5x</i>
EV BT832AF	<i>BT832_AT_57600_V5.hex</i>	AT commands on Bluetooth 5	<i>BlueNor nrf5x</i>
EV BC832	<i>BT832_BlueNor_Nrf5x.hex</i>	Bluetooth 5 stacks	<i>BlueNor nrf5x</i>
EV BT832X	<i>BT832X_Multi_Slave.hex</i>	Bluetooth 5 Slave with PA	<i>BlueNor nrf5x</i>
EV BT832XE	<i>BT832X_Multi_Slave.hex</i>	Bluetooth 5 Slave with PA	<i>BlueNor nrf5x</i>
EV BT832X-AT	<i>BT832X_AT_57600_V5.hex</i>	AT commands on Bluetooth 5 with PA	<i>BlueNor nrf5x</i>
EV BT840F	<i>BT840_mesh_V5.hex</i>	Bluetooth 5 mesh	<i>BlueNor Mesh</i>
EV BT840E	<i>BT840_mesh_V5.hex</i>	Bluetooth 5 mesh	<i>BlueNor Mesh</i>
EV BT840	<i>BT840_BlueNor_Nrf5x.hex</i>	Bluetooth 5 stacks	<i>BlueNor nrf5x</i>