

USB Host Board XBee Shield Kit

All of the software available for our [USB Host board](#) allows for the data to be output via the serial port. This add on XBee Shield kit allows you to easily add an XBee radio into the mix to transmit this data stream wirelessly.

This is especially useful for the [PS3 Dualshock Controller](#) software which can turn your PS3 controller into a long range transmitter for UAVs and robotics projects, but could be of use for any peripherals that we have software for.

Features

- Allows an XBee Radio to be easily added to the USB Host board
- RX and TX LED's for indication of data transmission
- XBee radio's allow transmission range of up to 1 mile (*Pro series)

Kit Contents

- USB Host XBee Shield board populated with SMD components
- 2x XBee sockets
- 2x 14mm spacer
- 2x 20mm screws/nuts
- 1x 9 way male header pins
- 1x 10 way female header socket
- Not Supplied
 - USB Host Board
 - XBee Radio

Assembly

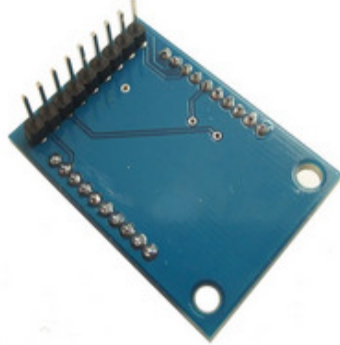
1. As we don't have a 9-pin female header socket (no-one seems to sell them), we have supplied a 10 way socket. Using a sharp knife cut off the end socket. This can then be soldered to the USB Host board (not supplied in kit).



2. Solder the XBee sockets to the top of the XBee shield

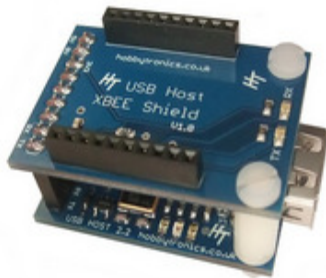


3. Solder the 9-way male header to the underside of the XBee shield



4. Plug the XBee Shield onto the USB Host board

5. 2x 14mm spacers are supplied. These must be cut down to 11mm with a sharp knife. Assemble these along with the nylon screws supplied. Excess screw length can be cut off easily with a sharp knife or wire cutters



6. We must supply 5V power to the boards. We will leave this up to you how you do this, but a suggestion is shown below

