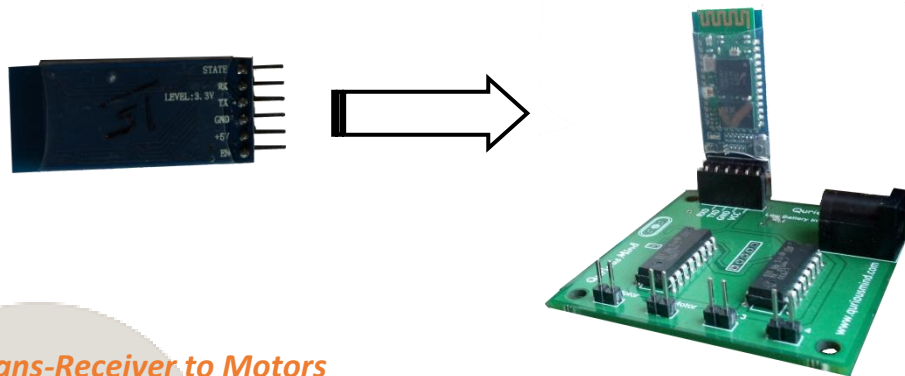


# How to....

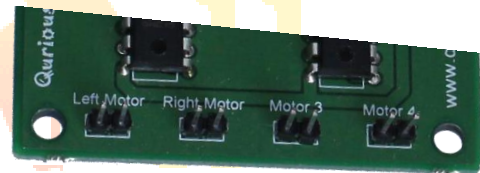
## Connect Bluetooth device to the Trans-receiver

- ❖ Match the Pins on Bluetooth with the markings on Trans-receiver.
- ❖ Align the pins of Bluetooth with the sockets on Trans-receiver.
- ❖ Push the pins in the socket carefully.
- ❖ Bluetooth will be stand perpendicular to the Trans-receiver PCB.



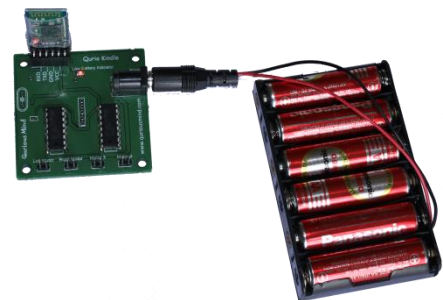
## Connect the Trans-Receiver to Motors

- ❖ Use wires provided to connect the Motors to the Trans-receiver.
- ❖ Trans-receiver has pair of male pins for each motor indicated as Left Motor, Right Motor, Motor 3 and Motor 4.
- ❖ Left and Right motor pins are to be used for the motors used to move the vehicle platform. These motors are **controlled in pair** to move forward, backward and turn.
- ❖ Use Motor 3 and Motor 4 pins for additional motors used in your Robot.
- ❖ Do not bend the sockets while inserting or removing the wires from the pins.



## Connect Power Supply to the Trans-receiver

- ❖ 9 – 12 V power supply can be connected to the Trans-receiver.
- ❖ The kit is provided with 6 AA cell battery holder.
- ❖ The DC plug of the battery holder should be connected to the Power Supply socket provided on the Trans-receiver PCB.
- ❖ Trans-receiver PCB has a low voltage indicator LED which starts blinking when the voltage drops below 7.5 volts.



## Install Qurio Kindle Remote Control App on Android Phone

- ❖ Download the QurioKindle.apk file from the CD onto your Android Phone.
- ❖ Open the QurioKindle.apk from your phone.
- ❖ Install the App.
- ❖ Your App is ready to use.

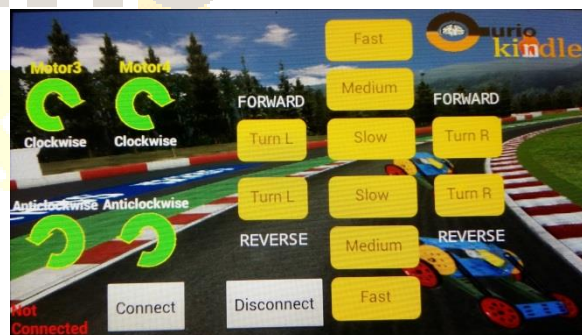
\* Android App is also available for download at [www.quriousmind.com/qurio-kindle.html](http://www.quriousmind.com/qurio-kindle.html)

## Pairing Android Phone with Qurio Kindle

- ❖ Power up Qurio Kindle Trans-receiver.
- ❖ Turn on Bluetooth of your phone.
- ❖ Scan for Bluetooth devices in your phone.
- ❖ Select the device ending with HC-05 from your Bluetooth Device list.
- ❖ You will be prompted for a Password.
- ❖ Enter the password provided inside the Qurio Kindle box.
- ❖ Your phone is now paired with Qurio Kindle.

## Use Qurio Kindle App

- ❖ Open Qurio Kindle App.
- ❖ Click on Remote Control button to go to Remote Control screen.
- ❖ Initially only Connect button will be enabled.
- ❖ Click on Connect button. You will be presented with the list of all devices paired with your Android phone.
- ❖ Select the Device ending with HC-05 from the list (same device which was paired in earlier step).
- ❖ After successful connection, the Connect button will be disabled and Disconnect button and all other buttons on the remote control screen will be enabled.
- ❖ The Remote is divided into two parts.
- ❖ Right side controls Left and Right Motor together; used to control Vehicle platform.
- ❖ The upper half moves the Vehicle Platform in Forward direction and the lower half moves the Vehicle platform in reverse direction.
- ❖ The left side controls additional motors 3 and 4 if used.
- ❖ Click on Disconnect button before exiting the App.





# Trouble Shooting

## *My Robot reverses if I press the Forward buttons on the App and vice versa*

- ❖ Check if you have connected Left Motor of the Robot to the Right Motor on the Receiver and vice versa. Correct the same.
- ❖ If the problem persists, change the polarity of the connection by reversing the wires at the receiver end (exchange the Black and Red wire positions) for both motors.

## *My Robot turns when I press the Forward or Reverse buttons on the App*

- ❖ Change the polarity of Left and Right Motors (by reversing the wires of that motor at the receiver end) one by one.

## *My Bluetooth is not getting connected even after repeated tries*

- ❖ Check if you have connected the Bluetooth Module correctly.
- ❖ Switch off the power from the Trans-receiver and switch it on again.
- ❖ Turn OFF and Turn ON Bluetooth of your phone.