**Xbee Simple set up**

Program Xbees

1. When programming Xbees put jumpers to USB
   1. When running Arduino project put jumpers to Xbee
2. Put them both into AT mode
3. Make only 1 a coordinator
4. Make sure they both have the same PAN address

Program Arduino

1. Sending Arduino

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AnalogReadSerial

Reads an analog input on pin 0, prints the result to the serial monitor.

Graphical representation is available using serial plotter (Tools > Serial Plotter menu)

Attach the center pin of a potentiometer to pin A0, and the outside pins to +5V and ground.

This example code is in the public domain.

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// the setup routine runs once when you press reset:

void setup() {

// initialize serial communication at 9600 bits per second:

Serial.begin(9600);

}

// the loop routine runs over and over again forever:

void loop() {

// read the input on analog pin 0:

int sensorValue = analogRead(A0);

// print out the value you read:

Serial.println(sensorValue);

delay(1); // delay in between reads for stability

}

1. Receiving Arduino

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

byte pak = 0;

}

void loop() {

// put your main code here, to run repeatedly:

if (Serial.available()>0){

for (int i=0;i<3;i++){

byte pak = Serial.read();

Serial.println(pakSe);

delay(1000);

}

}

}