

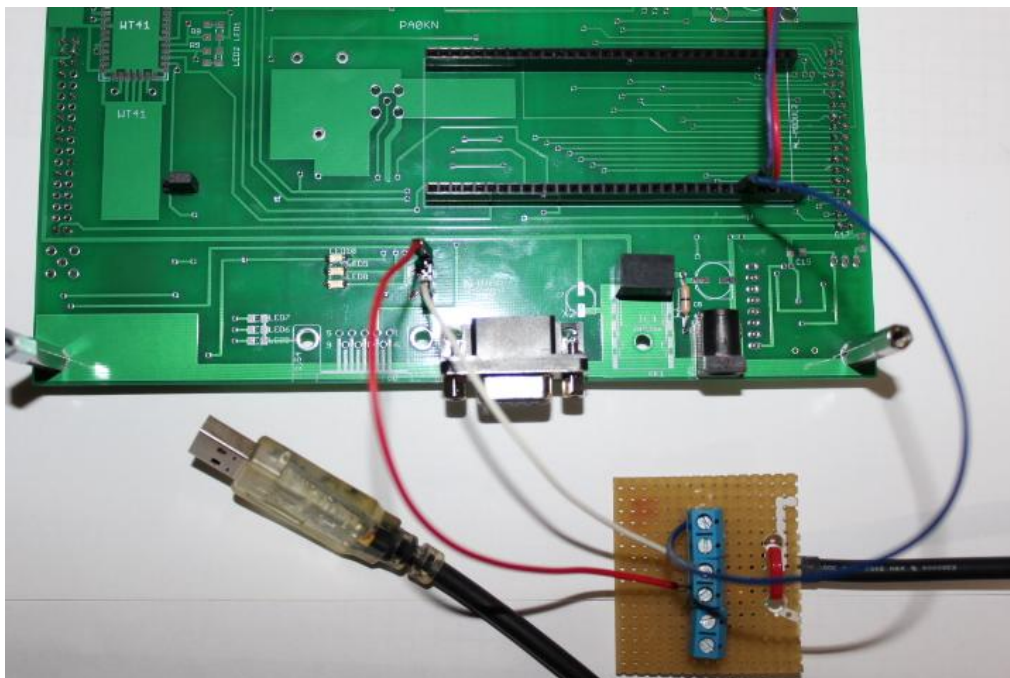
# Wizfi210

1)



2)

Config for the Wizfi210 I used a TTL-232 3,3V USB-Serial Converter.



3.3 V power I have taken from an external (the XMEGA module not used)

3)

**WizFi Wizard**

**Step 1 : Find WizFi**  
Select the following current serial option.

COM  (1~ )  
Baud

**Find WizFi and Set Command Mode**

WizFi210  
1.1.0.5(w)

To continue, click Next.

< Back   Next >   Cancel   Apply   Finish

4)

**WizFi Wizard**

**Step 2 : AP Scan**  
Select the AP to associate.

AP Scan    ms

BSSID	SSID	Chan	RSSI	Security
00:1a:2a:33:08:aa	WLAN-790570	01	-88	WPA2-PE...

To continue, click Next.

AT+WD  
AT+WAuto=0,WLAN-790570  
AT+WAuth=0  
AT+WwPA=TitusAlexander

< Back   Next >   Cancel   Apply   Finish

5)

WizFi Wizard

### Step 3 : WiFi Security

Select the following WiFi security.

WiFi General Configuration

SSID:  WiFi Mode:

Authentication mode:

WEP Key1:  WEP Key2:

WEP Key3:  WEP Key4:

WPA Passphrase:

☐ EAP Configuration

WiFi EAP Configuration

Outer:  Inner:

User name:  Password:

To continue, click Next.

AT+WD  
AT+WATO=0,WLAN-790570  
AT+WATH=0  
AT+W/WPA=TitusAlexander

< Back Next > Cancel Apply Finish

WizFi Wizard

### Step 4 : WiFi Network

Select the following WiFi network.

☐ DHCP

☒ Static IP

IP Address:

Subnet Mask:

Gateway:

To continue, click Next.

AT+WD  
AT+WATO=0,WLAN-790570  
AT+WATH=0  
AT+W/WPA=TitusAlexander

< Back Next > Cancel Apply Finish

WizFi Wizard

### Step 5 : Serial Port

Select the following current serial option.

☐ Don't need to change serial option  
☒ Need to change serial option

Baud

To continue, click Next.

```

AT+WD
AT+W/AUTO=0,W/LAN-790570
AT+W/AUTH=0
AT+W/W/PA=TitusAlexander
AT+NDHCP=0
AT+NSET=192.168.2.80,255.255.255.0,192.168.2.1
  
```

< Back
 > Next
 > Cancel
 > Apply
 > Finish

WizFi Wizard

### Step 6 : S2W Channel

Select the following Serial-to-WiFi channel.

Protocol ☐ TCP ☒ UDP  
 Mode ☒ Server ☐ Client

Destination IP  Port   
 Local  Port

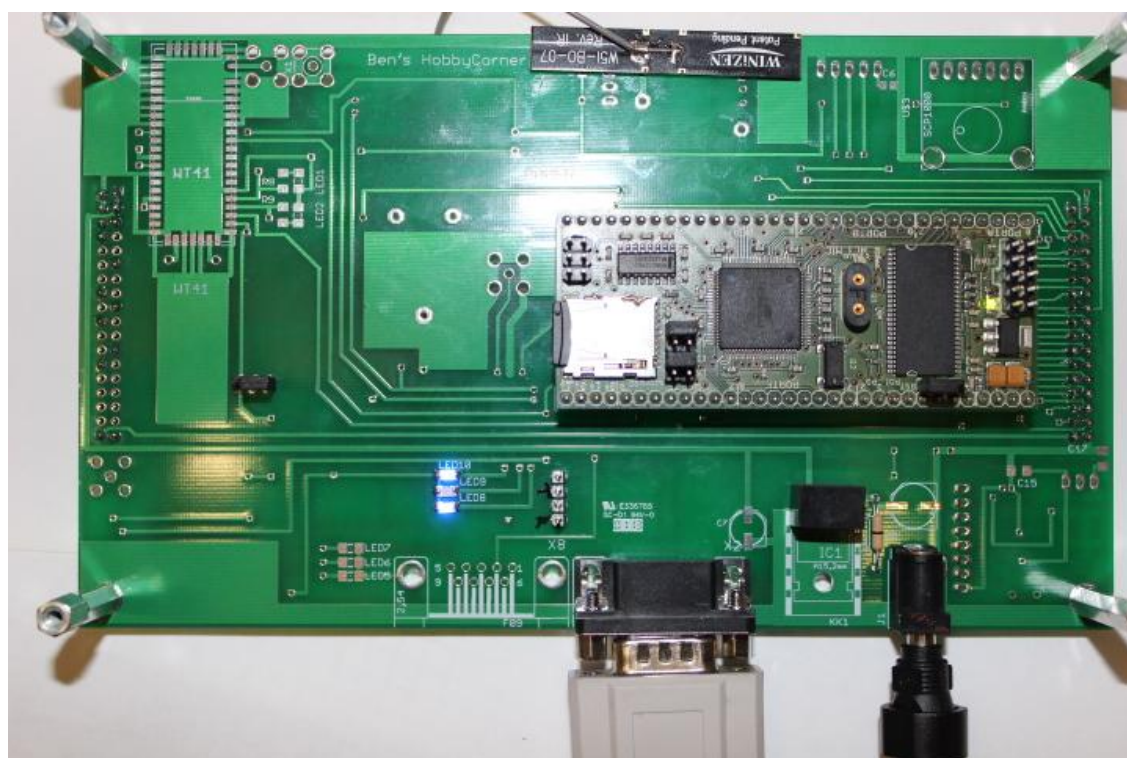
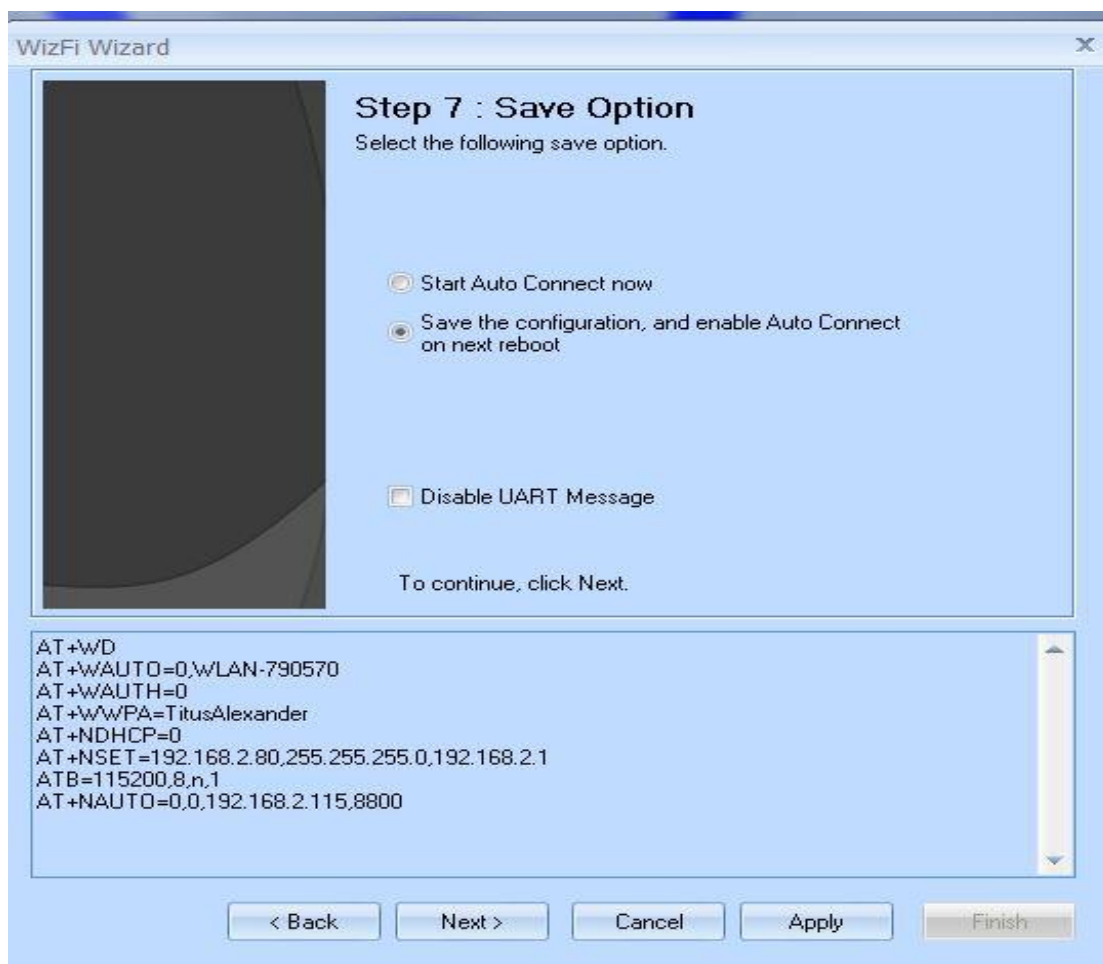
To continue, click Next.

```

AT+WD
AT+W/AUTO=0,W/LAN-790570
AT+W/AUTH=0
AT+W/W/PA=TitusAlexander
AT+NDHCP=0
AT+NSET=192.168.2.80,255.255.255.0,192.168.2.1
ATB=115200,8,n,1
  
```

< Back
 > Next
 > Cancel
 > Apply
 > Finish

Destination IP = IP from Computer



Now Check the LED8 and LED10, they will be on.

First Test.

```
$regfile = "xm128a1def.dat"
$crystal = 32000000 '32MHz
$hwstack = 160
$swstack = 160
$framesize = 200

$lib "xmega.lib"
$external _xmegafix_clear
$external _xmegafix_rol_r1014

Config Osc = Enabled , 32mhzosc = Enabled

'configure the systemclock
Config Sysclock = 32mhz , Prescalea = 1 , Prescalebc = 1_1

'COM5 = Serial interface for communication with PC
Config Com5 = 57600 , Mode = Asynchronous , Parity = None , Stopbits = 1 , Databits = 8
Open "COM5:" For Binary As #5

'COM6 = Serial interface for WIZFI210
Config Com6 = 115000 , Mode = Asynchronous , Parity = None , Stopbits = 1 , Databits = 8
Open "COM6:" For Binary As #6

'Setup Interrupt
Config Priority = Static , Vector = Application , Io = Enabled

On Usart1_rxc Rxc_e1_isr
Enable Usart1_rxc , Io
Enable Interrupts

Dim Rs232 As Byte
Dim Input_string As String * 120
Dim String_ready As Bit
Dim Wiz_data As String * 120

Print #5 , "Start"

Do
  If String_ready = 1 Then
    Reset String_ready
    Print #5 , Input_string
    Wiz_data = Input_string
    Input_string = ""

    If Instr(wiz_data , "send") > 0 Then
      Print #6 , "Hallo from Wiz"
    End If
  End If
Loop

End
```

```
'Interrupt Service Routine for COM6 (Wiz210)
Rxc_e1_isr:
  Rs232 = Inkey(#6)
  If Rs232 <> 13 Then 'Add ASCII until carriage return (=13)
    Input_string = Input_string + Chr(rs232)
  Else
    Set String_ready
  End If
Return
```

