

NetEye4101Ms V4

Wireless Converter System

USER MANUAL 4.03

NetEye4101Ms V4 Model



SM Information & Communication

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Environments

Input Voltage : (9-24VDC) 84~264 free voltage 50/60 Hz

Input current : max 1A

Storage Humidity : 0:95%

Operating Temp : 0 ~ 60 ° C

Storage Temp : -20~70 ° C

1. NetEye4101Ms V4 Overview

1-1. Ordered Product



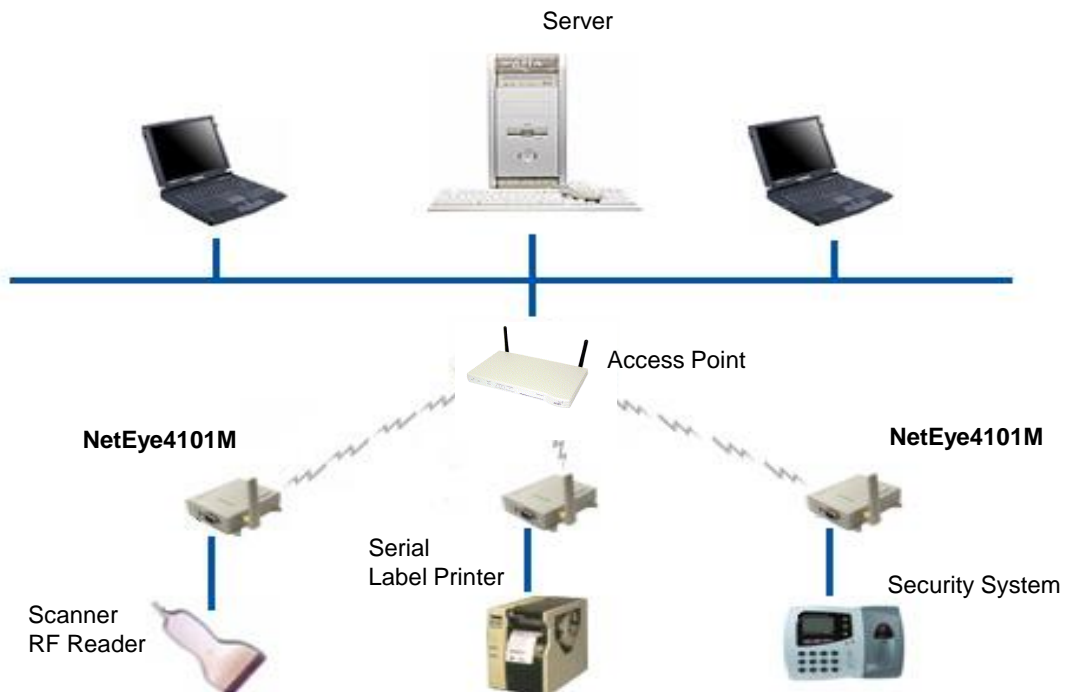
① **NetEye 4101Ms V4**



②

② **12V DC Power Adaptor**

1-2. Configuration



1-3. NetEye4101Ms V4

NetEye4101Ms is a Wireless to Serial Converter. It supports IEEE802.11b/g/n. So speed is very fast. NetEye4101Ms supports WEP, WPA, WPA2 Encryption as Security. NetEye4101Ms has lots of application - Factory Automation, Alarm System, RFID Terminal, Finger Printing System, Door Lock System , Card Reader System, Barcode Reader System, Commuting Scale System, POS System.

2. NetEye4101Ms V4 Overview

2-1. NetEye4101Ms V4 Specification

Items	Description
Interface	802.11b/g/n 1 Serial Port (RS232C, RS422, RS485 selectable) Speed : 1200 ~ 230400bps Data : 5, 6, 7, 8bit Parity : even, odd, none stop : 1, 1.5, 2 stop bit
Network Protocol	TCP/UDP/ARP/ICMP/DHCP/DNS/HTTP TCP/UDP Server/Client
Security	WEP/WAP-PSK/WAP2-PSK/WAPI
Frequency Range	2.412Hz~2.48GHz
MAX TCP Connection	32
Network Type	Station mode / AP mode
Coverage Area	Open Space 100m , Indoor :30~100m
Environment	Humidity : 10 ~ 90% (Non-Condensing) operating Temperature : -10 ~ 70 °C
Configuration	Wireless web configuration
Operating Voltage	9~24VDC max 1A
Dimension	93x88x25(mm)

Ordering Information

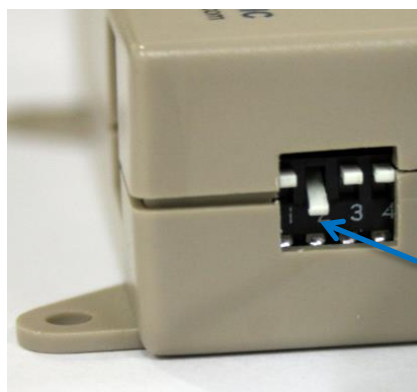
NetEye4101Ms version 4.0

3. NetEye4101Ms V4 DB 9 Pin Assignment and LED

Pin Number	Signal	Description		
		RS-232	RS-422*	RS-485*
1	NC		RX+	
2	RXD/RX+	RX		
3	TXD/TX-/TRX-	TX		
4	NC		TX+	TX+
5	GND	GND	GND	GND
6	NC			
7	TX+/TRX+		RX-	
8	RX-		TX-	TX-
9	NC			

LED	Color	Description
TCP	Orange	The Device is alive. Blinking fast for the data communication.
WLAN	Green Orange	1. Booting Complete in initial AP mode. 2. AP mode: PC is connected to HF-A11x_AP 3. STA mode: NetEye4101Ms is connected to your own AP.
PWR	Red	Power on LED

***Push down Piano Switch 2 for RS485/422 Communication**



Piano Switch 2 for RS485/422

4. NetEye4101Ms V4 Setup Concept

● Factory Default Parameters

Parameters	Factory Default Setting	Reference
SSID	HF-A11x_AP	No security
IP Address	10.10.100.254	
Subnet Mask	255.255.255.0	
User Name	admin	
Password	admin	

● AP Mode (Access Point Mode)

AP mode is wireless mode to connect to NetEye4101Ms.

SSID는 HF-A11x_AP

No security

IP address :10.10.100.254

You can find HF-A11x_AP from window XP wireless network setup. And go to the NetEye4101M Web server through Web browser 10.10.100.254.

● STA Mode (Station Mode)

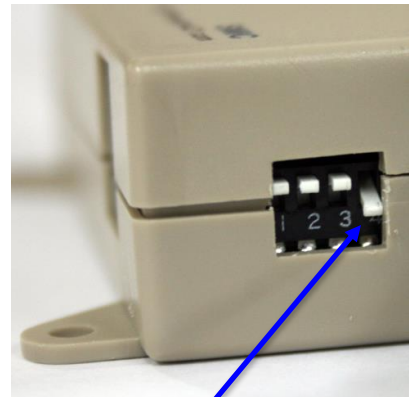
STA mode is client mode of AP. After you connect to the NetEye4101M, change all the NetEye4101M parameters such as your AP SSID, Security Mode, IP address.

And then make your NetEye4101M as STA Mode.

5. NetEye4101Ms V4 Reset

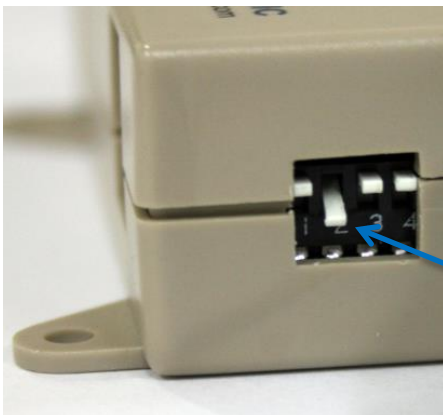
Please, put 4th switch of Piano switch to down position for 2 seconds and take back to the upper position again. It makes a MS4101M to be reset . And every parameters is set to the Factory default value.

Parameters	Factory Default Setting	Reference
SSID	HF-A11x_AP	No security
IP Address	10.10.100.254	
Subnet Mask	255.255.255.0	
User Name	admin	
Password	admin	



Pin Number 4: Reset Switch

Put this switch down for 3 seconds and up again . All the parameters is reset to factory default value



Piano Switch 2 for RS485/422

6. NetEye4101Ms V4 Setup Procedure

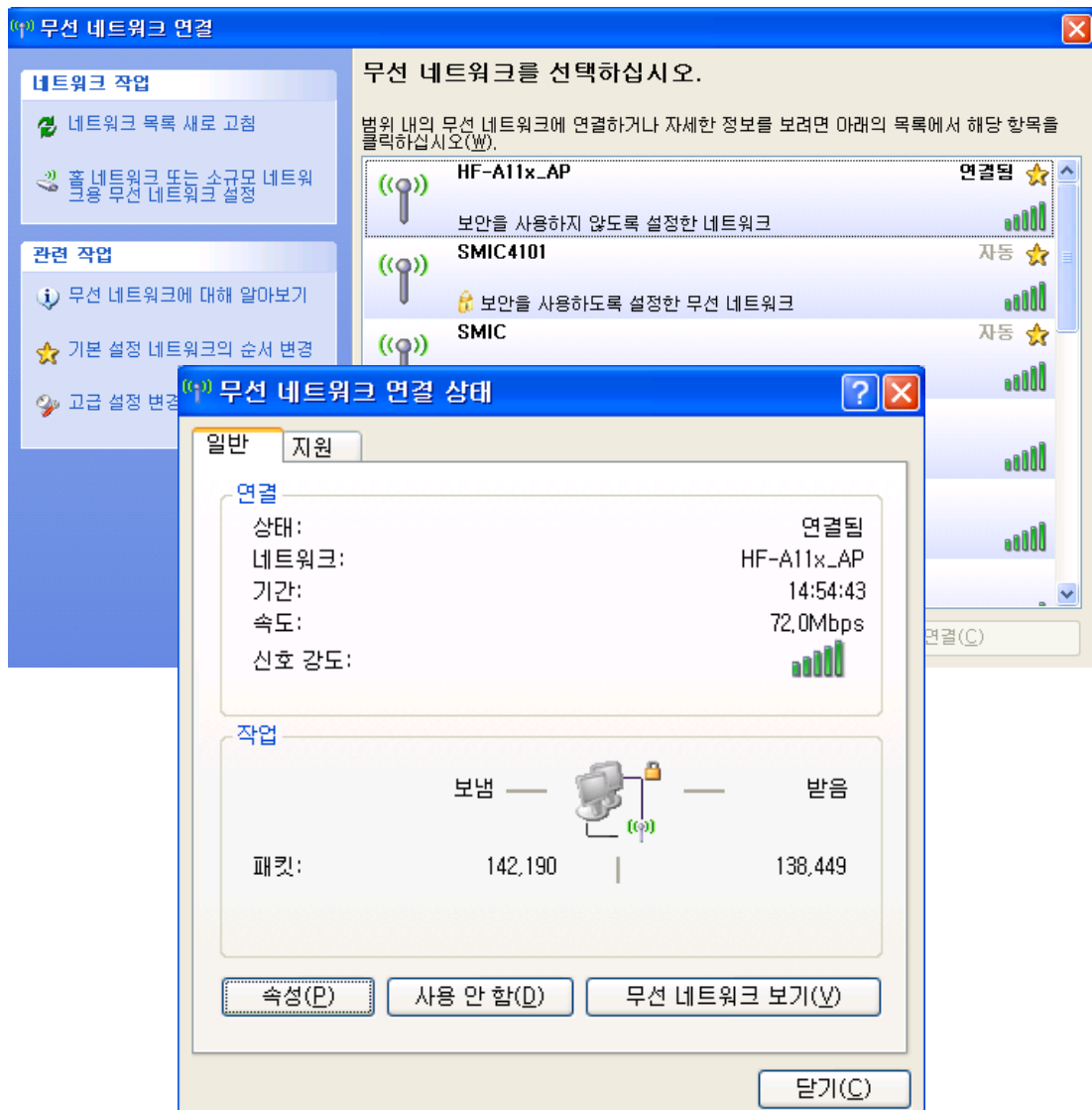
A. Connection to NetEye4101Ms V4

Step 1. power on to a NetEye4101M.

Step 2. Find HF-A11x_AP from Window XP OS network administrator.

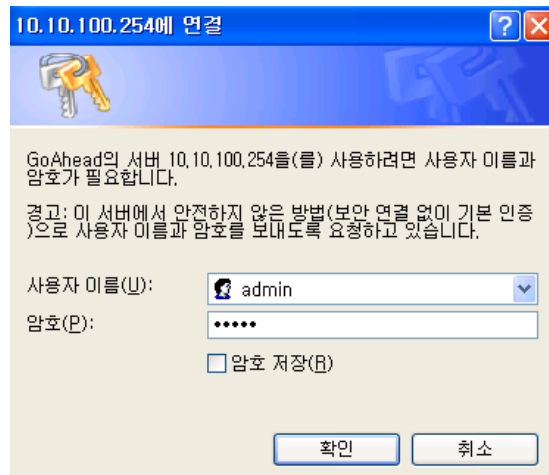
And connect to HF-A11x_AP network.

After wireless connection OK. Open Wen browser and access



Step 3. connect <http://10.10.100.254> on your web browser.

User Name : admin Password: admin



10.10.100.254에 연결

GoAhead의 서버 10.10.100.254를(를) 사용하려면 사용자 이름과 암호가 필요합니다.

경고: 이 서버에서 안전하지 않은 방법(보안 연결 없이 기본 인증)으로 사용자 이름과 암호를 보내도록 요청하고 있습니다.

사용자 이름(U):

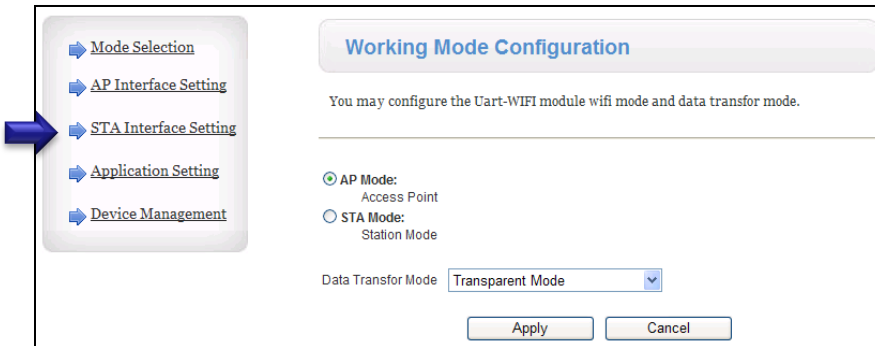
암호(P):

☐ 암호 저장(R)

확인 취소

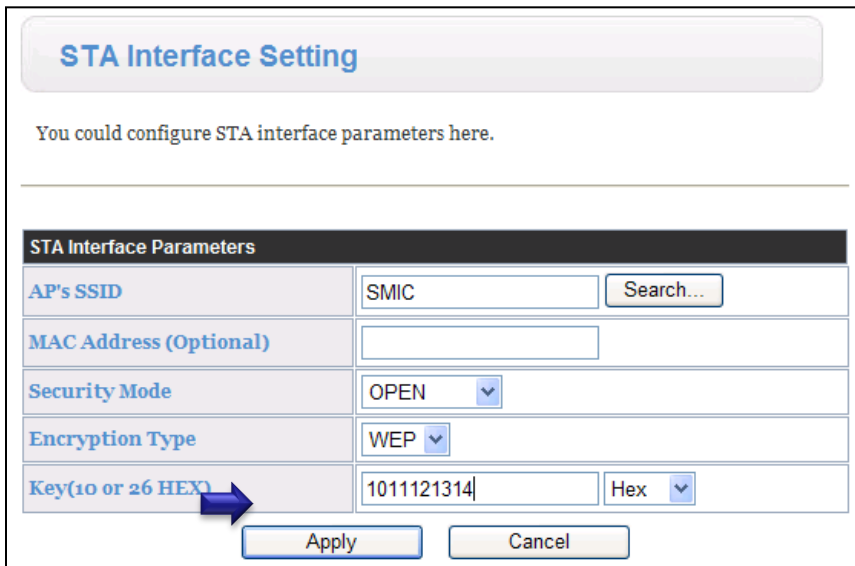
★ **Do not change AP Interface Setting menu parameters.**

Step 4. Go to the STA Interface Setting menu



Step 5. Input your AP SSID and Security Information and click Apply button.

You can wait 3 ~30 seconds to change the parameters




STA Interface Parameters	
AP's SSID	SMIC Search...
MAC Address (Optional)	
Security Mode	OPEN
Encryption Type	WEP
Key(10 or 26 HEX)	1011121314 Hex

Step 6. Message for success of setup.


Set Successfully, Restart to use new setting.

Restart button in [Device Management](#)






Step 7. Setup the NetEye 4101M IP Address


WAN Connection Type:		STATIC (fixed IP) 
Static Mode		
IP Address	192.168.100.180	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.100.1	
Apply		Cancel





Step 8. Setup Serial Parameters and TCP port number through Application Setting Menu.

- ➡ [Mode Selection](#)
- ➡ [AP Interface Setting](#)
- ➡ [STA Interface Setting](#)
-  ➡ [Application Setting](#)
- ➡ [Device Management](#)

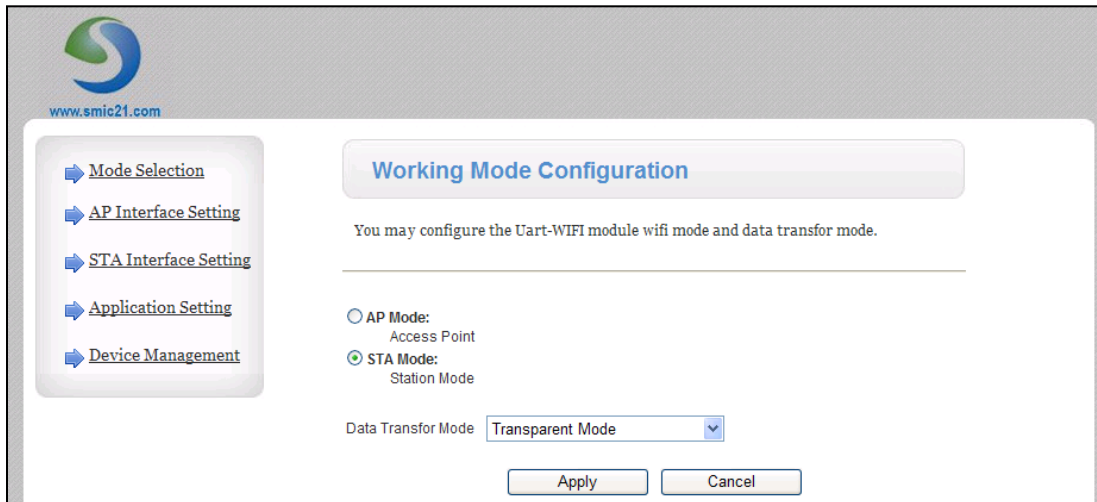
You could configure the Uart parameters and network parameters of the wifi-uart application.

Uart Setting	
Baudrate	57600 
Data Bits	8 
Parity	None 
Stop	1 
CTSRTS	Disable 
Apply Cancel	

UART AutoFrame Setting	
UART AutoFrame	Disable 
Apply Cancel	

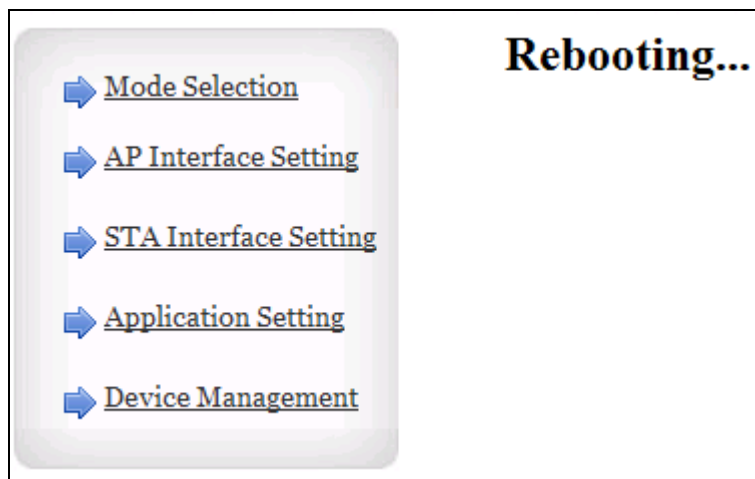
Network Setting	
Mode	Server 
Protocol	TCP 
Port	8899 
Server Address	10.10.10.100
MAX TCP Num. (1~32)	32
TCP Time out (MAX 600 s)	300
 Apply Cancel	

Step 9. After all Setup is successful, go to the Mode Selection Menu and click STA (station) Model.



The screenshot shows the 'Working Mode Configuration' web interface. On the left is a sidebar menu with five items: 'Mode Selection', 'AP Interface Setting', 'STA Interface Setting', 'Application Setting', and 'Device Management'. The main area is titled 'Working Mode Configuration' and contains the text: 'You may configure the Uart-WIFI module wifi mode and data transfer mode.' Below this, there are two radio button options: 'AP Mode: Access Point' (unselected) and 'STA Mode: Station Mode' (selected). At the bottom, there is a 'Data Transfer Mode' dropdown menu set to 'Transparent Mode' and two buttons: 'Apply' and 'Cancel'.

Step 10. Restart NetEye4101M through Device Management Menu or power off and on again.



- Please reconnect your PC to your AP.

- ❖ Please, write IP address and Port Number of NetEye4101M on the sheet.
- ❖ If you forget you SSID and IP address, you should reset your device and setup the parameters again.



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