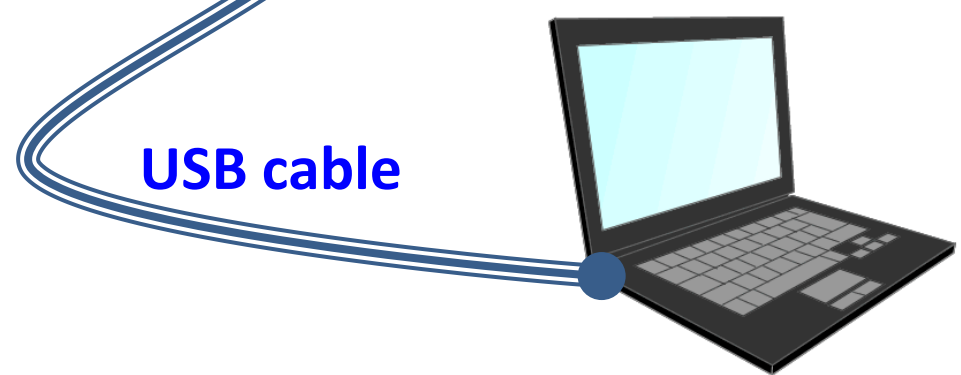
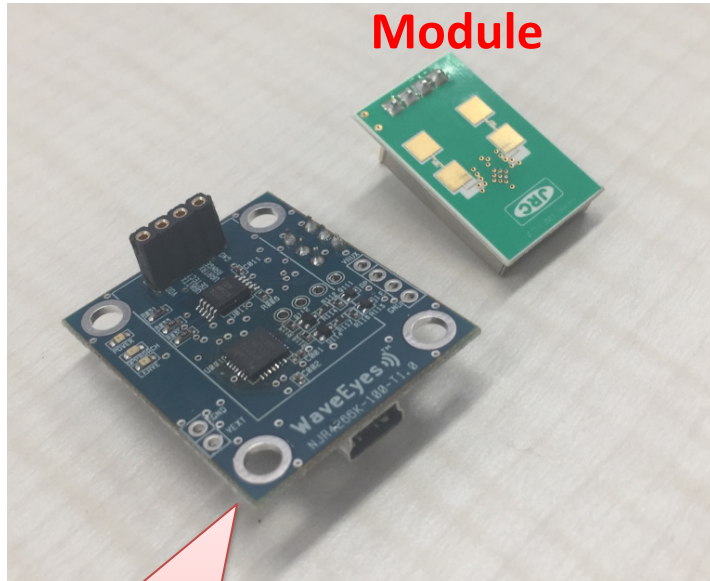


# Evaluation Kit of NJR4266



**Evaluation Board**

**Translating  
UART to USB**

USB Output



# Instructions (1)

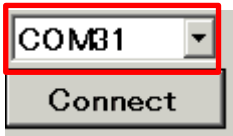
## Installation of Application Software and Driver

1. Please check to install the ".Net Framework 4.0" or upgrade version in your PC. If it does not have it, please download it from Microsoft's following URL and install the ".Net Framework" to your PC.  
<http://www.microsoft.com/en-US/download/details.aspx?id=17851>
  
2. Please run the enclosed driver file for windows PC and install the USB driver to your PC. In case of 32 bit windows the driver file should be "CP210xVCPInstaller\_x86.exe" and in case of 64 bit windows the driver file should be "CP210xVCPInstaller\_x64.exe".  
If you can not complete to install, please do item 2.1 - 2.5.
  - 2.1. Please open the "Device Manager" in your PC and connect the NJR4265 evaluation board with USB cable.
  - 2.2. If not complete to install, the device manager will show an unknown device when connect the evaluation board.
  - 2.3. Please open the properties of the unknown device and select the button of "driver install"
  - 2.4. Please select a directory of the driver folder and the driver will be installed
  - 2.5. If the driver installation is finished completely, the "Silicon LabsCP210x USB to UART Bridge (COMxx)" will be shown in a "Port (COM and LPT)" session of the device manager.  
If the driver installation is not finished completely, please restart Window OS with connection of the NJR4265 evaluation board on your PC and retry to do item 2.1 - 2.5.
  
3. Please run the enclosed file of the GUI application software: "NJR4266-EP001-0.0.1E.exe"

## Instructions (2)

### GUI Application Software

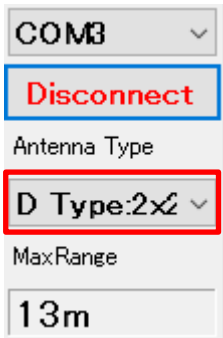
1. Please run the enclosed file of the GUI application software: “NJR4266-EP001-0.0.1E.exe”.
2. Please select the correct COM port number in pull down menu, click the “Connect” bottom, and then the GUI will connect the evaluation board.  
The correct COM port number can be check by the “Silicon LabsCP210x USB to UART Bridge (COMxx)” in a “Port (COM and LPT)” session of the device manager.



Please select the correct COM port number

And please click the “Connect” bottom

And please select the correct model number in pull down menu, which need to calculate the threshold distance from threshold value.



Please select the correct model number

And the explanation of the GUI Application Software is next page.

# GUI Application Software (1)

NJR4266-EP001-0.0.1E
— □ ×

COM3

**Disconnect**

Antenna Type

D Type: 2x2

MaxRange

13m

Contorl&Detect Output

	Setting		Get		Tx	Rx
Detect			Inquiry	None		
Range	Approaching	10 130cm	Set	Inquiry		
	Leaving	10 130cm	Set	Inquiry		
Reaction time	Approaching	2 256msec	Set	Inquiry		
	Leaving	2 256msec	Set	Inquiry		
Supply Voltage	66 3.300V	Set	Inquiry			
Mode	Detection Mode	Sleep Mode	Detection /Sleep			
	Auto Intermittent Rate Mode	Manual Intermittent Rate Mode	Auto/Man. Intermittent Rate Mode			
	CW Mode	Intermittent Mode	CW/ Intermittent			
Intermittent rate	1kHz	Set	Inquiry			
Reset	UART Error		Soft Ver			
	S	F	P	O	PC	Clear
<input type="checkbox"/> Detect Beep						

None

Approaching

None

Leaving

Time Span 20

New Japan Radio Co., Ltd.

**NJR Confidential & Proprietary**

# GUI Application Software (2)

## Information of GUI Application Software

NJR4266-EP001-0.0.1E

COM3 Contorl&Detect Output

Disconnect

Antenna Type

D Type:2x2

MaxRange

13m

# 1

# 2

# 3

# 4

# 5

# 6

# 7

# 8

# 9

# 10

Setting		Get	
Detect			
Range	App- roa- chine	10 130cm	Set
	Lea- ving	10 130cm	Set
Reac- tion time	App- roa- chine	2 256msec	Set
	Lea- ving	2 256msec	Set
Supply Voltage		66	Set
		3.300V	
Mode	Detection Mode	Sleep Mode	Detection /Sleep
	Auto Intermittent Rate Mode	Manual Intermittent Rate Mode	Auto/Man. Intermittent Rate Mode
	CW Mode	Intermittent Mode	CW/ Intermittent
Intermittent rate		1kHz	Set
UART Error		S F P O PC	Clear
Soft Ver			

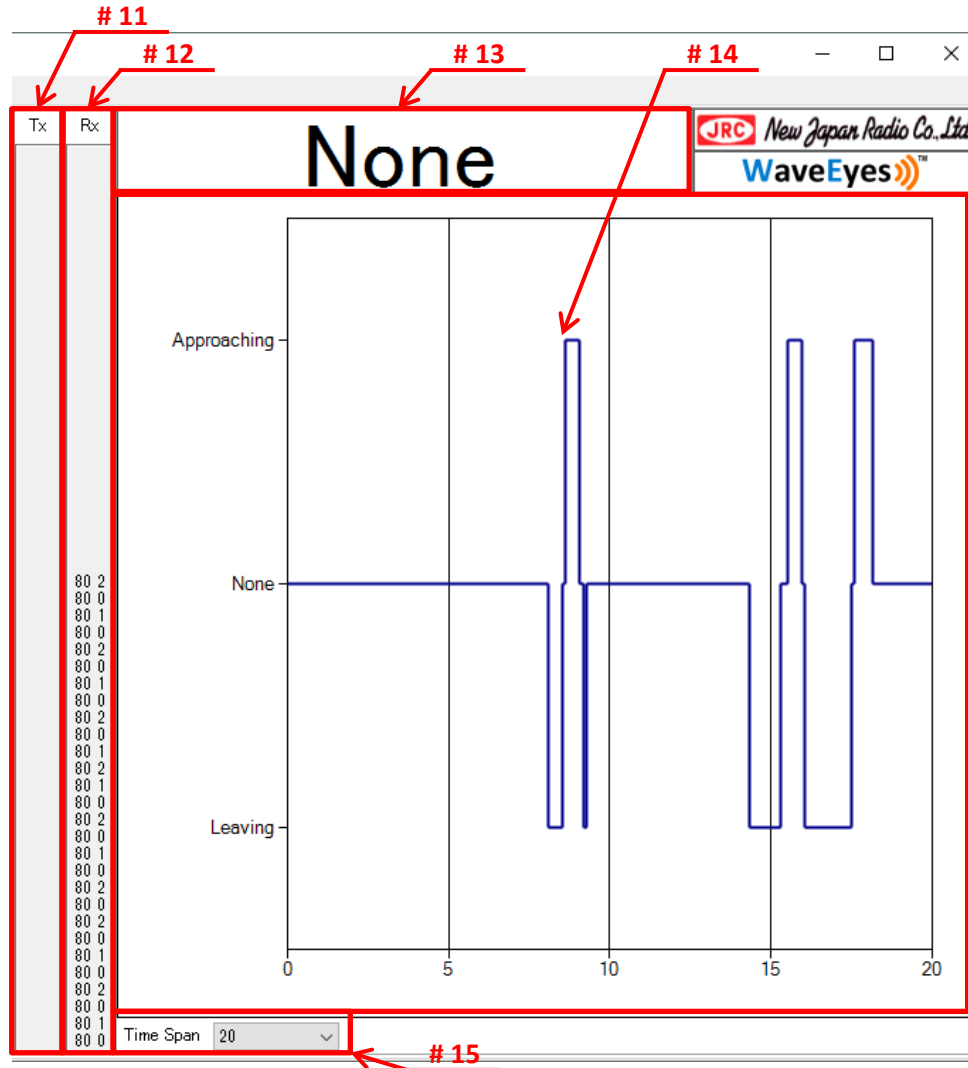
Reset

Detect Beep

#	Description
1	Range value for detection of each of approaching and leaving: Value Range: 0 to 100, Default : 30 (30%)
2	Reaction time value for detection of each of approaching and leaving: Value Range: 1 to 32, Default : 1 (128ms)
3	Power supply voltage setting : Value Range: 60 to 105, Default : 66 (3.3V) * Do not change for the evaluation board.
4	Mode setting : Default : "Detect Mode" and "Automatic Intermittent Setting Mode".
5	Intermittent rate setting: *This setting is available in both "Manual Intermittent Setting Mode" and "Intermittent Mode" Value Range: 1kHz / 2kHz / 3kHz / 7kHz Default : "1 kHz"
6	Rest Button
7	UART Error Indication: S: Syntax error, F: Framing error, P: Parity error, O: Overrun error, PC: GUI software error No hatching : Normal condition / Yellow hatching : Error condition *Error Condition is kept before clicking "clear" button.
8	Detect beep enable checkbox Enable: GUI software sounds beep during either approaching and leaving detection result.
9	Inquiry and Response Result of each of setting.
10	Inquiry and Response Result of internal firmware version

# GUI Application Software (3)

## Information of GUI Application Software



#	Description
11	UART TX command indication list box: The list box indicates the UART TX command (GUI to Module).
12	UART RX command indication list box: The list box indicates the UART RX command (Module to GUI).
13	Detection result: Approaching / Leaving / None
14	Timescale of detection result: This timescale displays past detection results at the time span.
15	Time span select: To select time span of the above timescale