

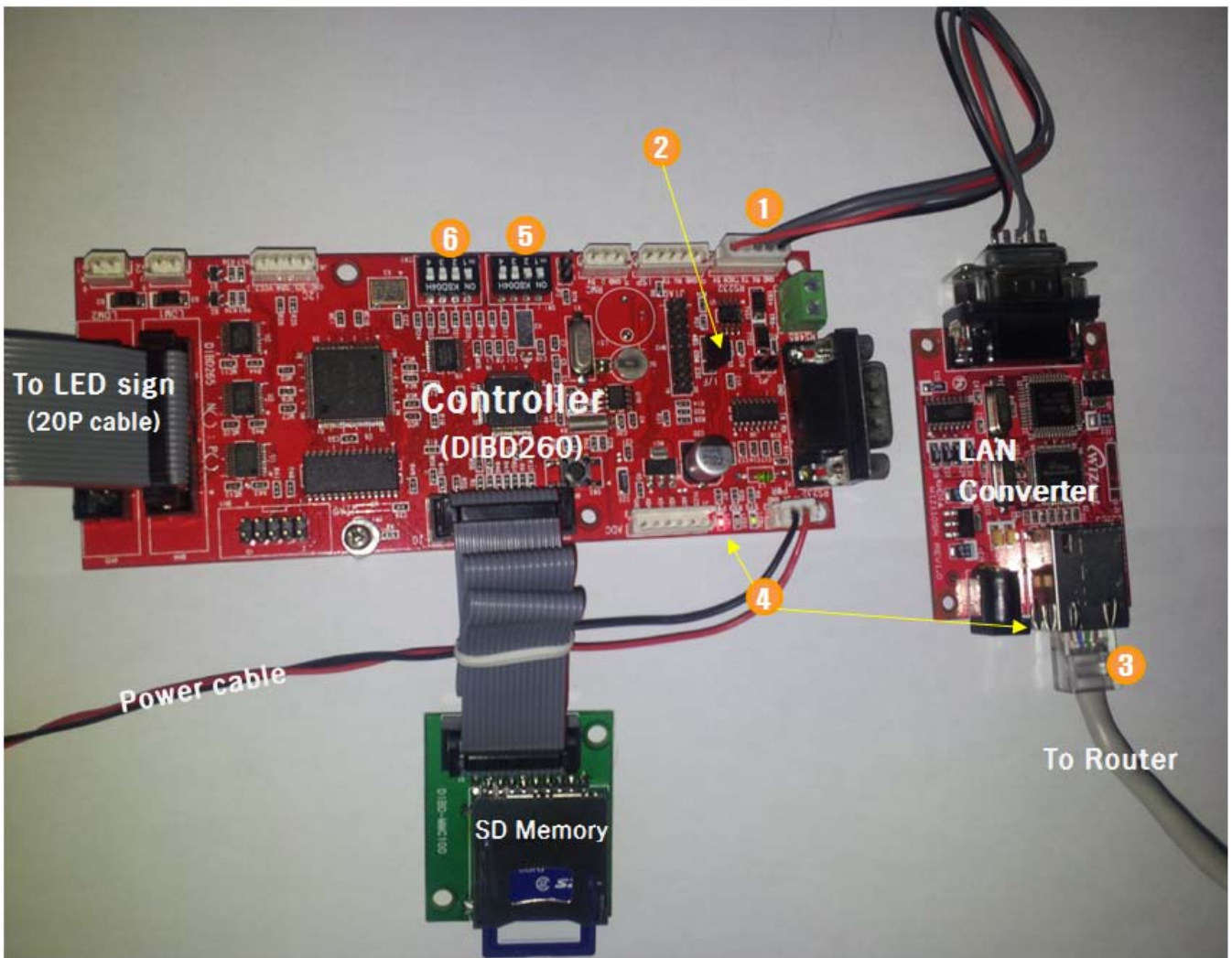
How to Set Up LAN Converter

1. Introduction

LAN Gateway is a module that converts RS-232 protocol to TCP/IP protocol. This enables the device with RS232 interface to connect to TCP/IP network through Ethernet. Customers can use any product of gateway they like. This chapter describes how to connect LAN converter, WIZ110SR of Wiznet company(www.wiznet.co.kr), to DIBD260 controller and perform the settings as an example.



2. Setting Up Hardware



- 1 Connect **RS232** port of LAN converter to **J5** port of DIBD.
- 2 Confirm if "**COM**" and "**232**" of **JP1** is connected by a jumper.
- 3 Connect LAN converter to the router by the LAN cable.
- 4 Supply the power(5VDC) to DIBD and confirm if a lamp(green) of DIBD and lamps(yellow, green) of LAN

converter are lit.

- ⑤ Set up Baud Rate by SW1. Ex.) "115,200bps"

Dip Switches				
Comm. speed	9,600bps	38,400bps	57,600bps	115,200bps

- ⑥ Set up DIBD address by SW2. Ex.) "0"

Dip Switches					-----	
Address value	0	1	2	3	-----	15

However, under the condition of multi-signs, DIBD address shall start from "1".

3. Setting Up Software(1)

- ① After downloading "WIZ1xxSR_config_v3.zip" file from the website (www.wiznet.co.kr), please install/run "WIZ1xxSR Configuration Tool" program.



- ② Click on , and then click & select the LAN converter searched on the **Board list**.

- ③ Click on **Network** tab and set up the following.

- Set **IP Configuration Method** to **Static**.

- Set up **Local IP, Port number**.

Ex.) Local IP : 192.168.0.201,
Port : 5000

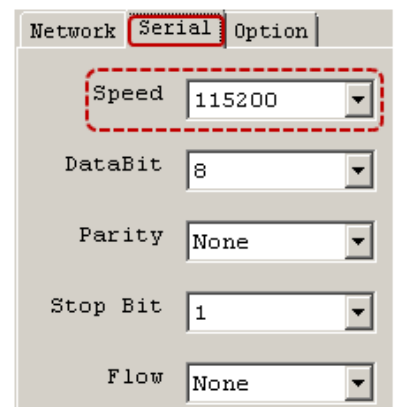
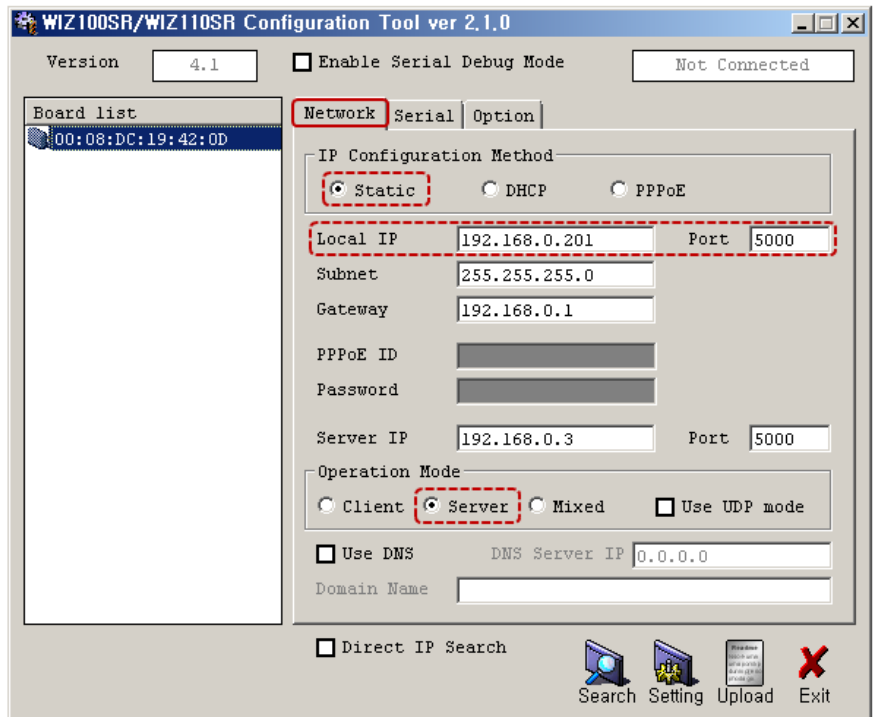
- Set **Operation Mode** to **Server**.

- ④ Click on [**Serial**] tab, and set up parameters as shown right.

Note: Speed shall be the same Baud rate as the value set at "2-⑤".



- ⑤ Click on to save the settings, and close the program.



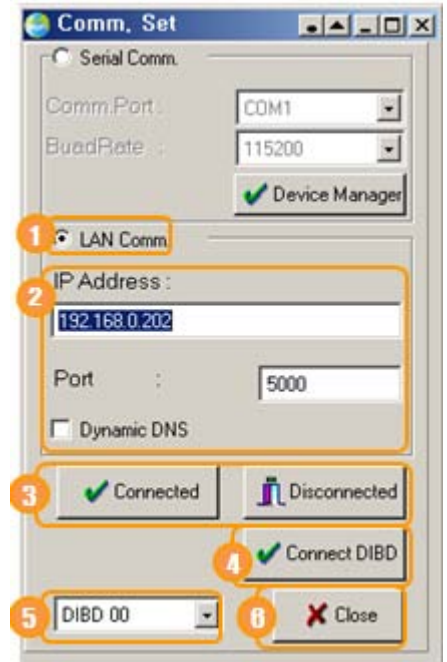
4. Setting Up Software(2)

Run "DIBD Manager", select [System]>[Com. Port], and then set up the followings.

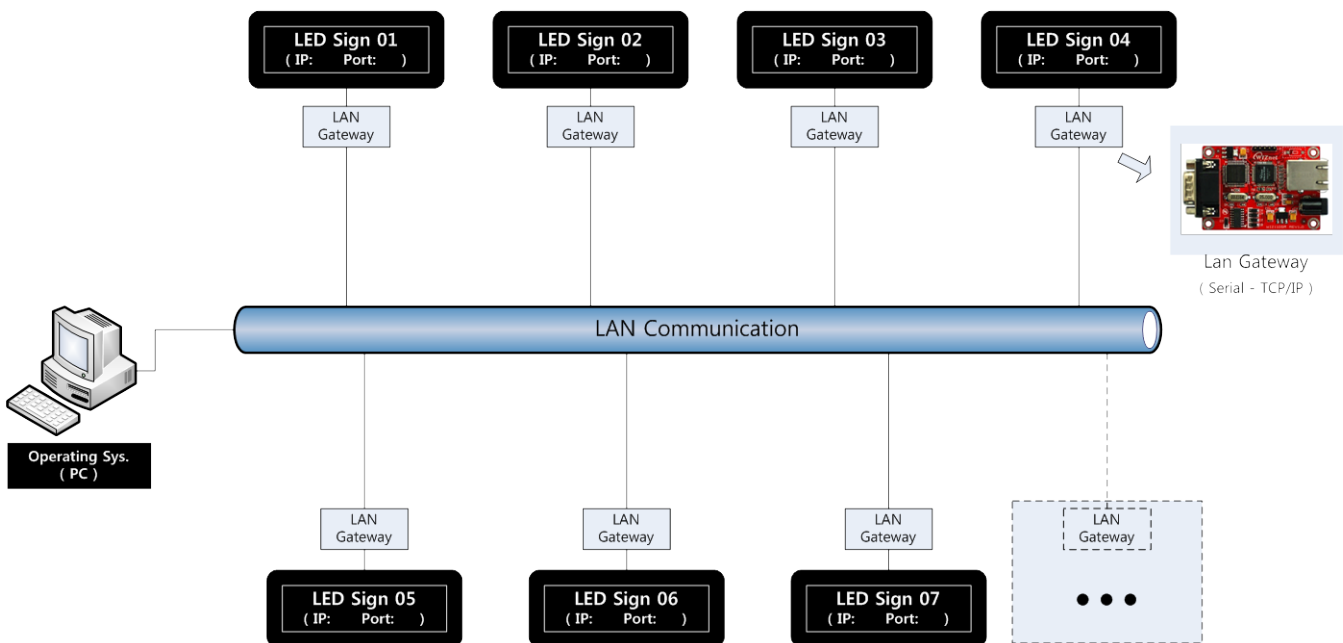
- ① Check LAN Comm.
- ② When using static IP service
 - Enter the same IP Address & Port number as the values set at "3-③" above.
Ex.) IP Address : 192.168.0.201, Port : 5000
 - Uncheck the check box of Dynamic DNS.

Note: When using dynamic IP service, see the software manual (Chapter 3.1.2) for the setting guidance.

- ③ Click on [Connected]/[Disconnected] to check the connection status between DavitChe software(PC) and the converter(server). When DavitChe fails to connect within 25 seconds, "Fail" message will appear on the Log window.
- ④ Click on [Connect DIBD] to check the communication status between PC and DIBD through LAN converter. Then DavitChe will send a "Test Data Packet" to DIBD via LAN gateway, and DIBD will return the same "data packet" to PC. If PC receives the same data packet, DavitChe judges the communication to be normal and shows "DIBD Connecting[OK]" message on the Log window.
- ⑤ Signs with multi-communication shall use the address from "DIBD01", NOT from "DIBD00"
- ⑥ Click on [Close].



[Appendix 1] Connection Diagram of LAN Converter for Multi-Communication



Note: For details on Multi-Communication, see the software manual of "[How to Set Up Multi-Communication of the Signs](#)" also.