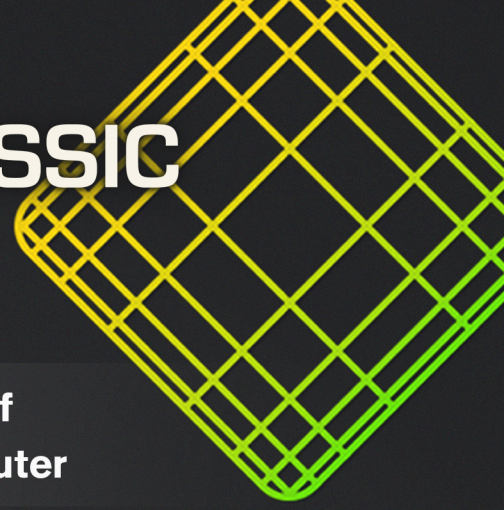# CNC SCREEN® CLASSIC

Corresponds to **FANUC** CNC

Connection & setting method of "CNC SCREEN" using a Wi-Fi router

01 Please set up a Wi-Fi router holding an LAN port more than one.

・ Because the portable Wi-Fi router has the model which does not have an LAN port , we do not recommend it.

・ When there is not a 100V outlet in a factory, we recommend a charge function Wi-Fi router with a built-in it .

・ We recommend the Wi-Fi router which you can change setting of to the network address that a target apparatus belongs to.

02 About the LAN cable, please prepare a straight cable of necessary length.

・ It depends on the transmission rate standard of a Wi-Fi router and other network apparatuses , we recommend an LAN cable in accordance with transmission rate standards more than Categoly 6.

・ When I might pick up the noise in the factory, we recommend the LAN cable which is not UnShield type.

03 Please connect the network apparatus physically.

You connect an LAN cable to the control unit of the machine tool and connect an LAN cable to a Wi-Fi router. You connect the power supply of the Wi-Fi router to an outlet as needed.

The back of the LCD monitor usually has LAN ports of the control units. In the case of ROBODRILL made in FANUC, it is extended to the panel back by the LAN port.

04 Please confirm the setting of the network apparatus (Wi-Fi router).

You confirm the IP address subnet mask of the Wi-Fi router. You usually download the application for exclusive use of the Wi-Fi router maker and set it by the application.

It is desirable to switch to the IP address of the Wi-Fi router which is hard to compete with a network apparatus such as the machine tool and computer terminals acquiring an IP address automatically. (A recommendation example : 192.168.0.250)

When you connect a Wi-Fi router to a machine tool directly, you do not mind default gateway (Router IP address of the direct top) and the setting of the DNS server for an option.

About the details such as the exclusive application, look at the instruction manual attached to the Wi-Fi router.

05 Please confirm the setting of the network apparatus (machine tool) .

You set an IP address and a subnet mask, a port number to use for communication of ROBODRILL.

After having switched from a quick screen to an NC screen, You push the control panel key [SYSTEM] and choose softkey [built-in port] (the machine with a fast data server is softkey. [ethernet board]). Then " common " screen is displayed.

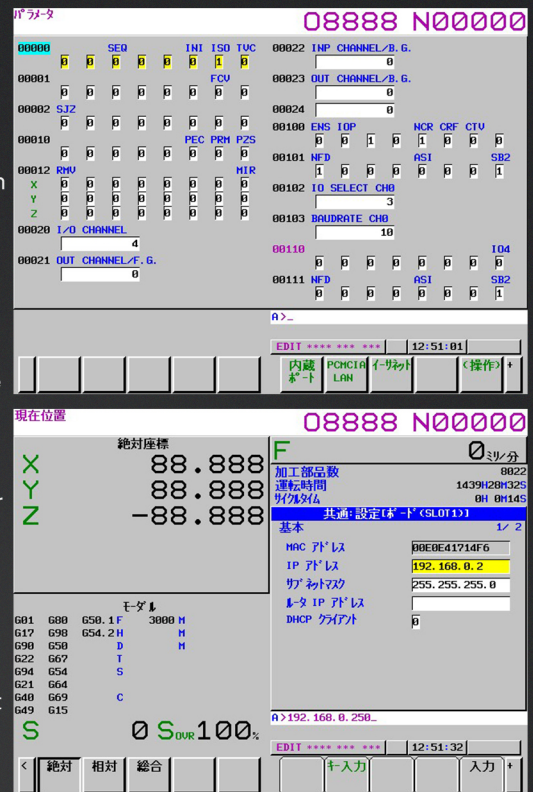You match an IP address and the subnet mask with the setting of the Wi-Fi router.

For example, When it is " subnet mask of the Wi-Fi router : 255.255.255.0 " and " an IP address : 192.168.0.250 ", you assume a subnet mask equivalence and set an IP address not to compete with a network apparatus in a similar line. (A recommendation example of an IP address : 192.168.0.2)

Alarm occurs at the stage when you set an IP address, but sets a port number sequentially.

The port number moves to a setting window by choosing softkey [FOCAS].

You input " 8193 " into a port number for TCP.

At the stage when you completed setting of ROBODRILL, you reboot once. You have only to drop a power supply of CNC, and it is not necessary to cut it off to a breaker. (About the setting of the router IP address, you do not mind as a blank unless you do input and output operation from a machine tool.)

06 Please confirm the setting of the network apparatus (smartphone & tablet terminals) .

You change the hard switch of the Wi-FI router to the Wi-Fi mode as needed.

You tap a "setting" button of a smartphone / the tablet terminal and detect a Wi-FI router automatically by turning on setting item " Wi-Fi ".

You set it by the above-mentioned application to use Wi-Fi, or it is necessary to input a network encrypting key bundled with a product.

About the details, look at the instruction manual of the Wi-Fi router.

07 Please confirm setting of the application (CNC SCREEN CLASSIC) .

In application "CNC SCREEN CLASSIC", you change an IP address of target ROBODRILL.

ROBODRILL is displayed with CNC icon when you start application. You shift to an IP address setting window (Edit) when you push and hold an icon for a few seconds. When one icon is not displayed, you tap "ADD" button of the top right corner.

"IP ADDRESS" and "PORT NO." make setting same as target ROBODRILL.You do not mind other items for an option. When setting is complete, you tap " + " button under the screen and let you reflect setting.