Setting application for DCC0241X instruction manual

Table of contents

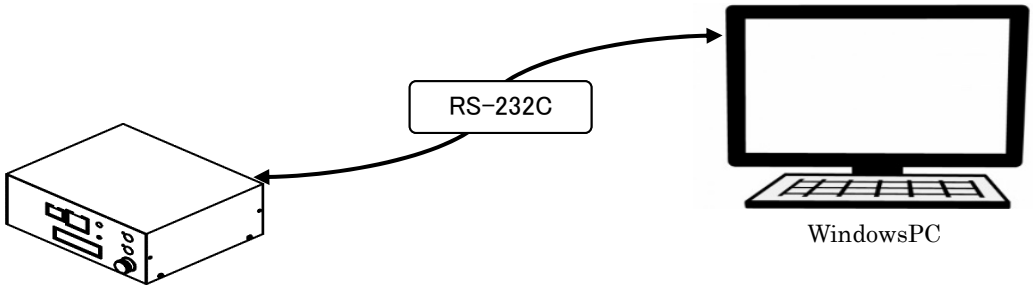
1. Introduction ..... - 3 -
1 - 1 . Overview ..... - 3 -
2. Menu screen ..... - 4 -
2 - 1 . Display details ..... - 5 -
3. CH setting screen ..... - 6 -
3 - 1 . Display details ..... - 7 -
4. CH PATTERN setting screen ..... - 8 -
4 - 1 . Display details ..... - 9 -
4 - 2 . CH PATTERN registration method ..... - 10 -
5. COMMON setting screen ..... - 11 -
5 - 1 . Display details ..... - 12 -
5 - 2 . Display of setting items based on the controller version ..... - 13 -
6. Application setting screen ..... - 14 -
6 - 1 . Display details ..... - 15 -

1. Introduction

1-1. Overview

The setting application for DCC0241X is an application for Windows OS that allows you to set up the controller DCC0241X-AZ (hereinafter referred to as “controller”) via serial communication (RS-232C).

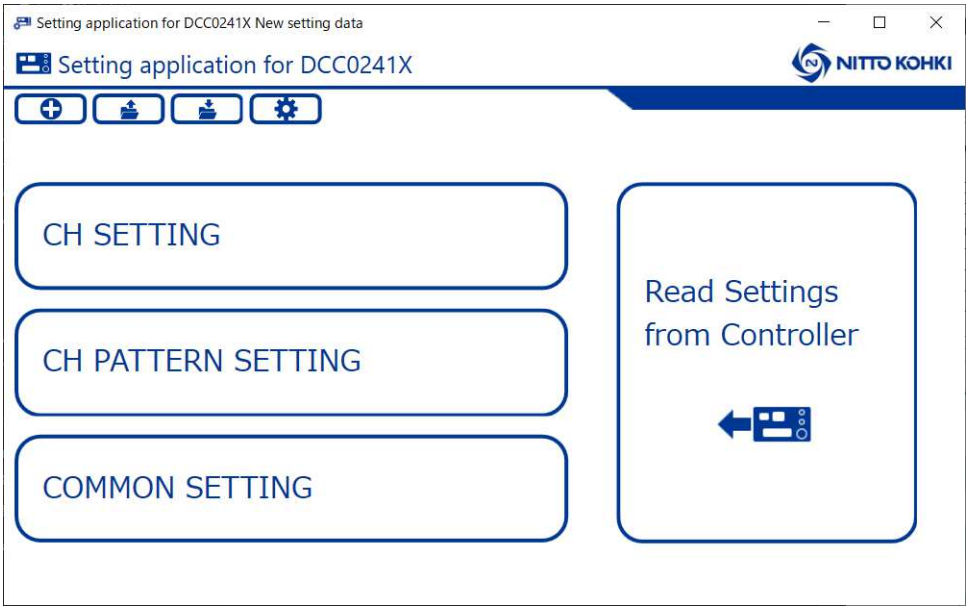
Besides setting, setting data can be saved / read and settings can be retrieved from the controller.



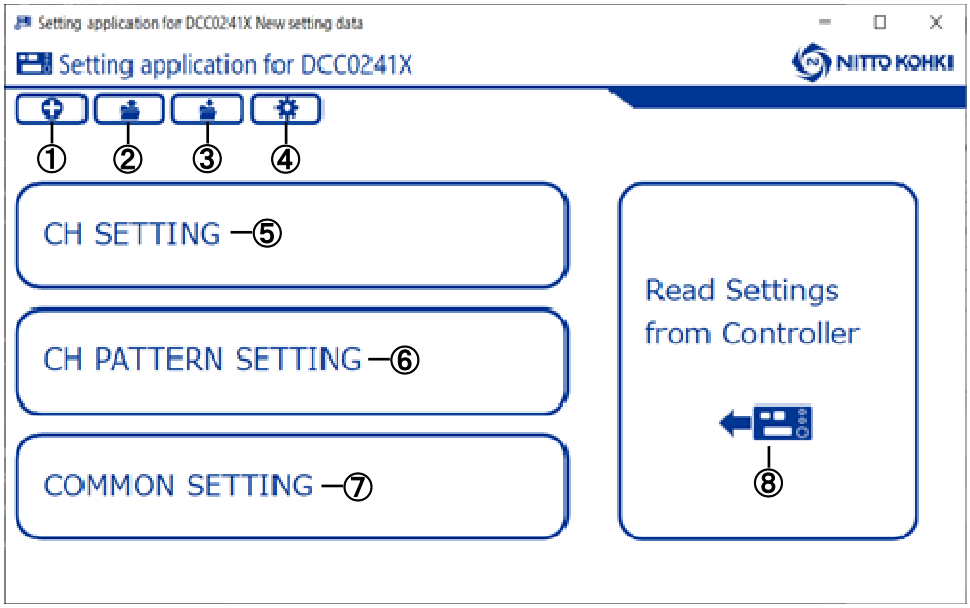
2. Menu screen

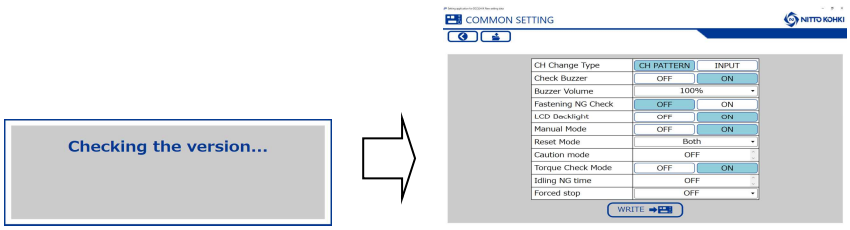
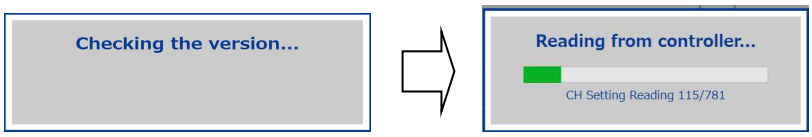
This is the first screen displayed when the application is launched.
Move to each screen from this screen.
You can also perform the following operations.

- Create new setting data
- Read setting data file
- Save setting data file
- Retrieve setting data from the controller



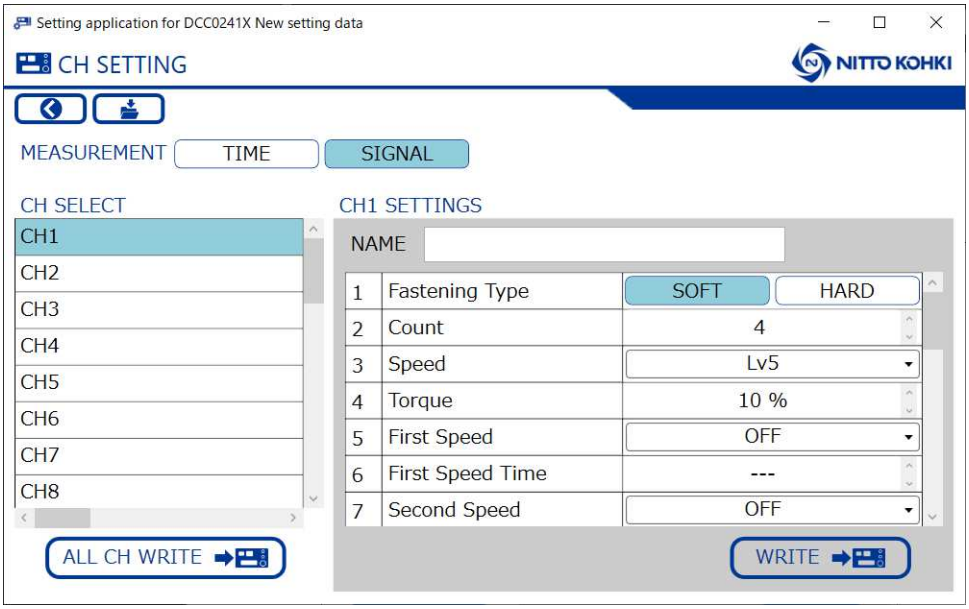
2 - 1 . Display details



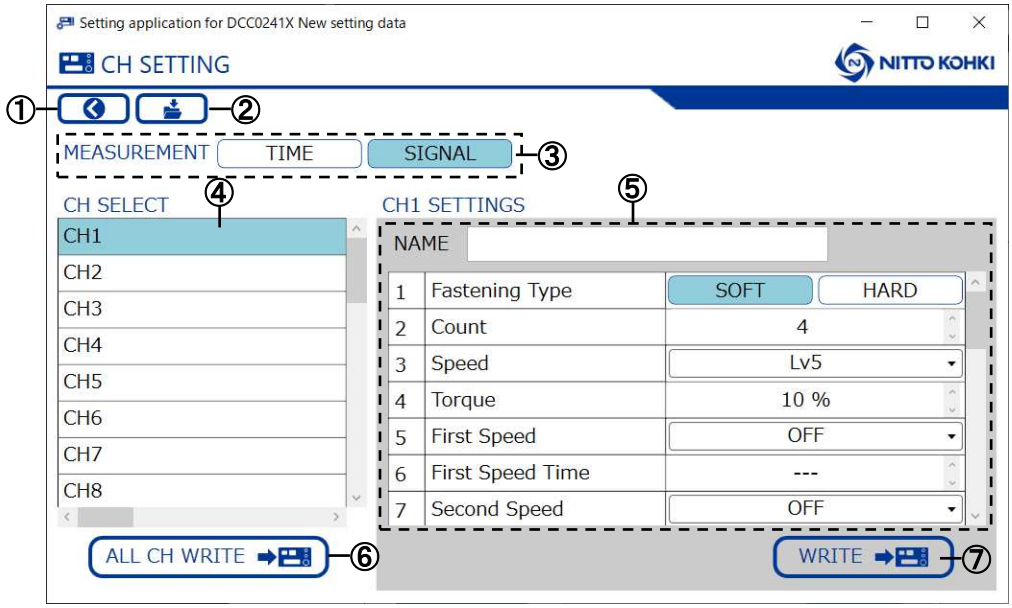
No.	Name	Details
①	New File	Create new data (default value).
②	Open File	Read the setting data from the file.
③	Save All	Save the setting data to a file.
④	Application Settings	Move to the application setting screen.
⑤	CH SETTING	Move to CH setting screen.
⑥	CH PATTERN SETTING	Move to CH pattern setting screen.
⑦	COMMON SETTING	Move to COMMON setting screen. Click to view the screen below. * When clicked, common settings can be made even if the version information cannot be confirmed (controller and PC are not connected). 
⑧	Read Settings from Controller	Read the setting data from the file. 

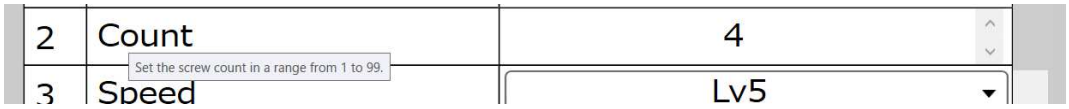
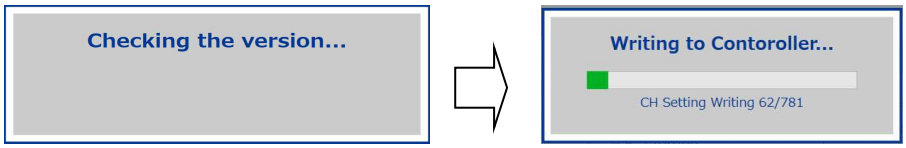
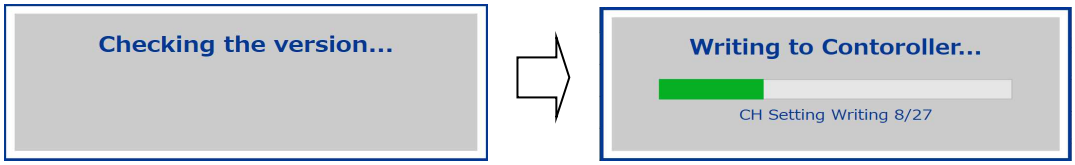
3. CH setting screen

This screen sets the screw fastening conditions for each channel and sends them to the controller. Select the channel you want to set from the list on the left, and set the screw fastening conditions in the CH-specific setting column.



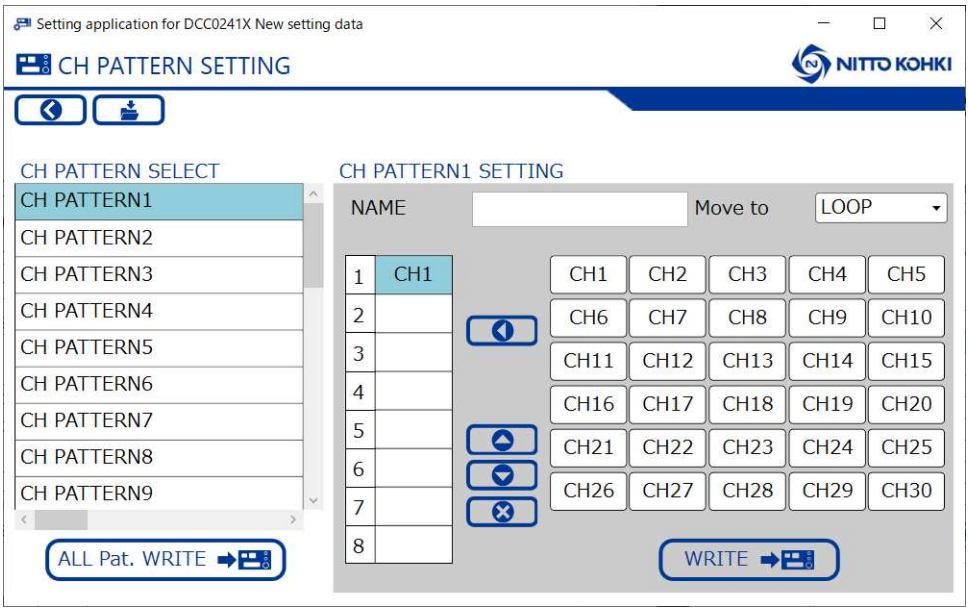
3 - 1 . Display details



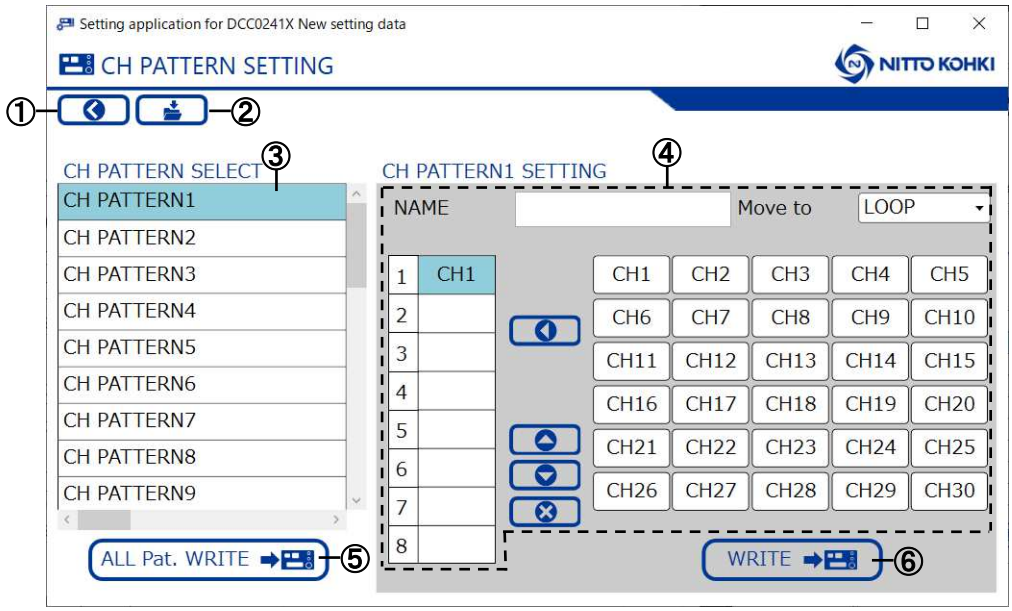
No.	Name	Details
①	Back to Menu	Return to the menu screen.
②	Save File	Save configuration data to a file. If the setting is changed, the icon will change color to call attention.
③	MEASUREMENT	Select the method for measuring the set time such as First speed and second speed.
④	CH SELECT	Displays a list of channels. Select the channel you want to set.
⑤	CH SETTINGS	Set the CH name and screw fastening conditions for the selected channel. The changed settings are displayed in bold font. If you move the pointer over the setting item name, an explanation will be displayed. 
⑥	ALL CH WRITE	Write the setting data of all channels to the controller. The following screen is displayed during communication. 
⑦	WRITE	Sends the selected channel setting data to the controller. The following screen is displayed during communication. 

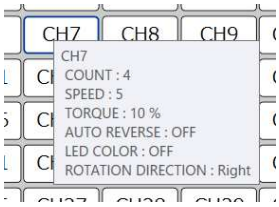
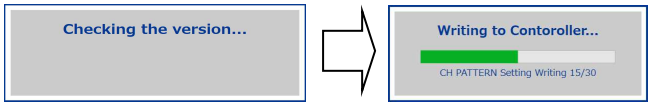
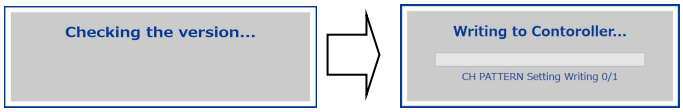
4. CH PATTERN setting screen

This is the screen to set each channel pattern (register channel combination) and send it to the controller.
Select the channel pattern you want to set from the list on the left, and set it in the CH pattern setting field.



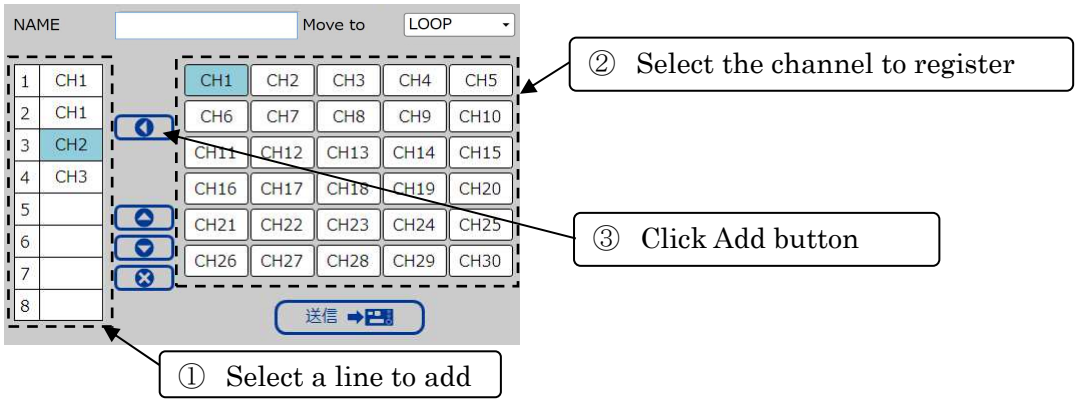
4 - 1 . Display details

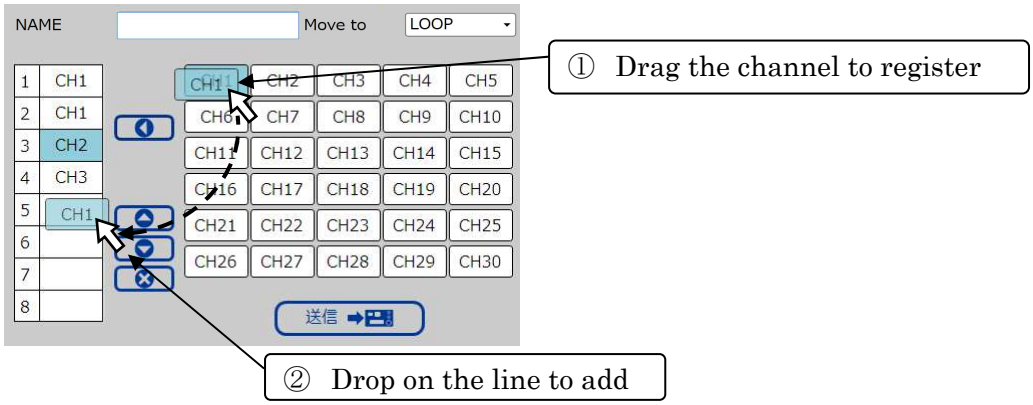


No.	Name	Details
①	Back to Menu	Return to the menu screen.
②	Save File	Save configuration data to a file. If the setting is changed, the icon will change color to call attention.
③	CH PATTERN SELECT	A list of CH PATTERNS is displayed. Select the channel pattern you want to set.
④	CH PATTERN SETTINGS	Set the CH PATTERN name and channel registration of the selected channel pattern and the destination to move to after completion. If you move the pointer over a channel, the channel settings will be displayed.  CH7 COUNT : 4 SPEED : 5 TORQUE : 10 % AUTO REVERSE : OFF LED COLOR : OFF ROTATION DIRECTION : Right * Registration of No. 1 is mandatory.
⑤	ALL Pat. WRITE	The setting data of all CH PATTERN are sent to the controller. The following screen is displayed during communication.  Checking the version... Writing to Contoroller... CH PATTERN Setting Writing 15/30
⑥	WRITE	The selected setting data of CH PATTERN are sent to the controller. The following screen is displayed during communication.  Checking the version... Writing to Contoroller... CH PATTERN Setting Writing 0/1

4-2. CH PATTERN registration method

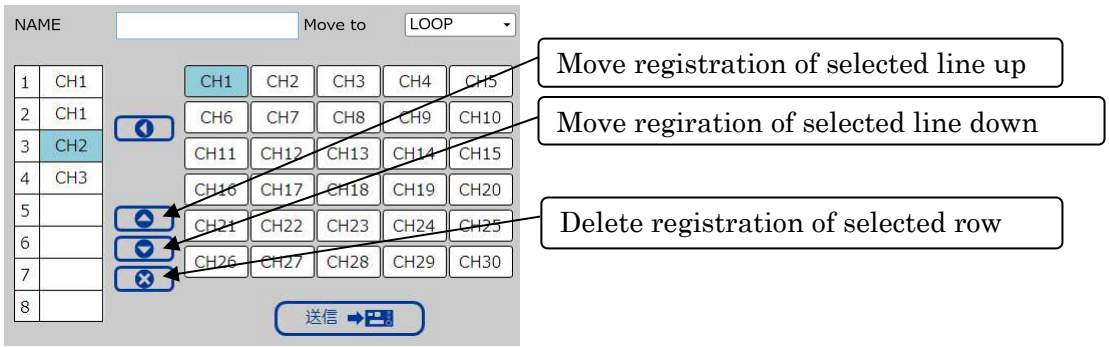
To register a CH PATTERN, select the channel to register in the channel list on the right and add it to the columns No.1 to No.8 on the left by clicking Add button or by drag-and-drop operation.





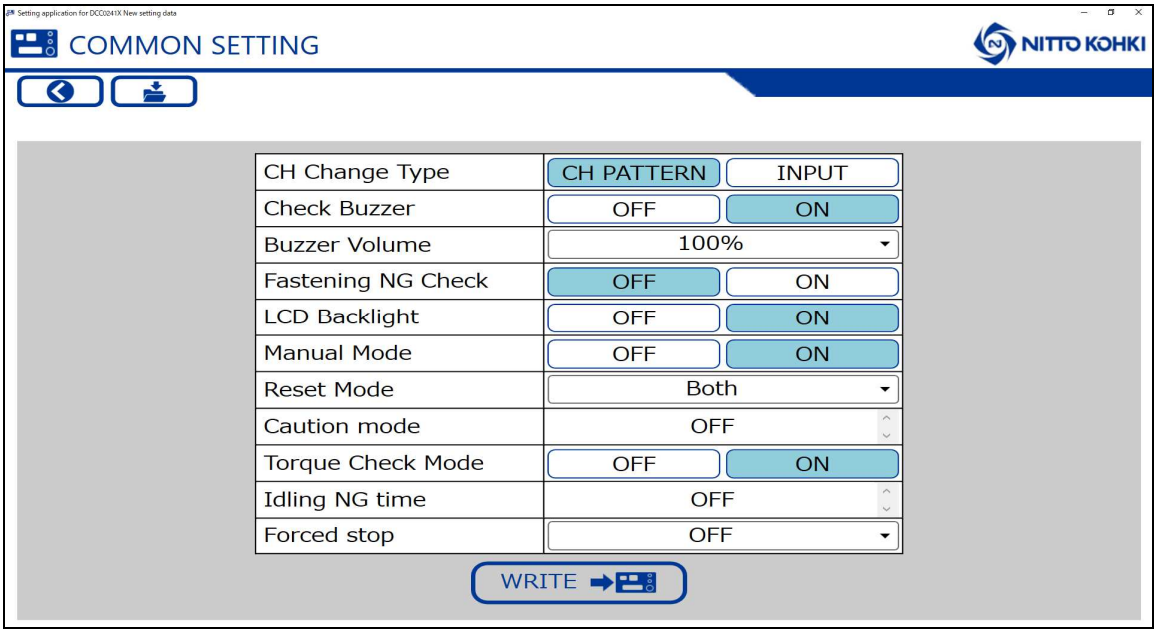
Channel registrations cannot be made after a blank.
It is automatically registered without blank.

Use the up and down buttons to change the order of the registered channels.
If you want to delete, use the delete button.

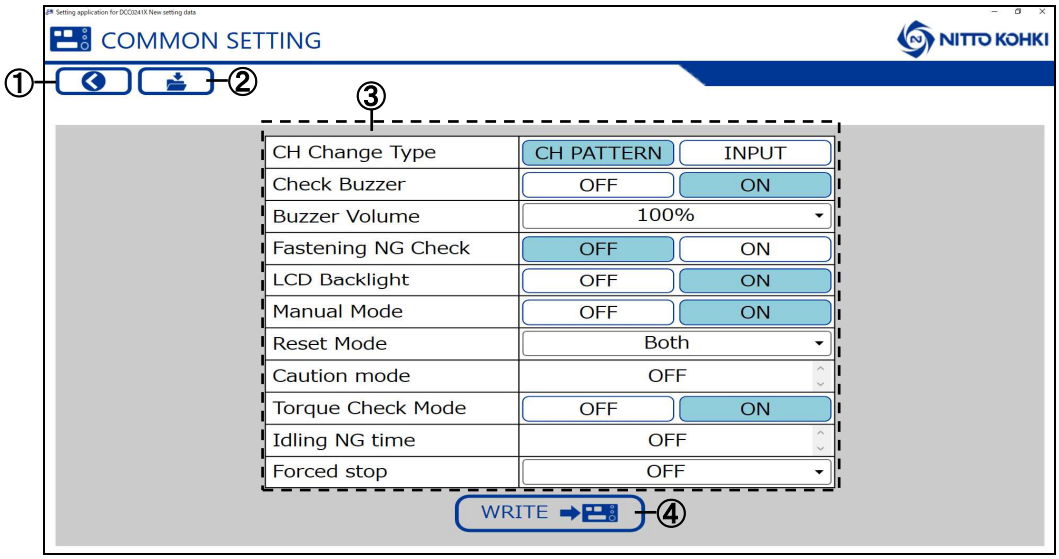


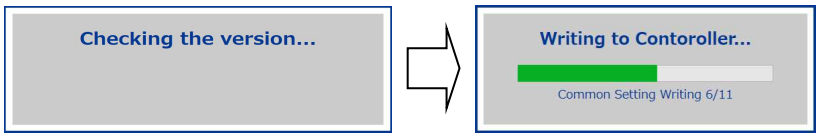
5. COMMON setting screen

This screen is used to make common controller settings and send them to the controller



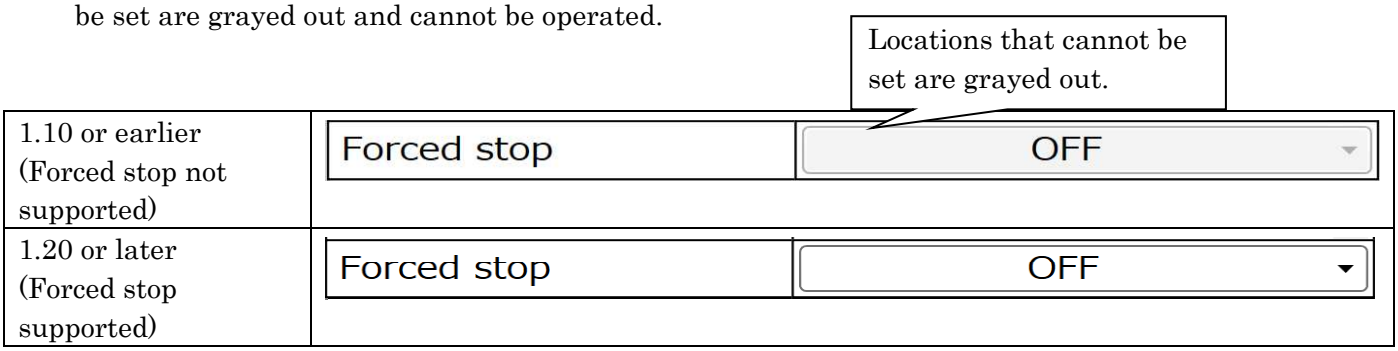
5 - 1 . Display details



No.	Name	Details
①	Back to Menu	Return to the menu screen.
②	Save File	Save configuration data to a file. If the setting is changed, the icon will change color to call attention.
③	COMMON SETTING	Make common settings for the controller. The changed settings are displayed in bold font. If you move the pointer over the setting item name, an explanation will be displayed.
④	WRITE	Send common setting data to the controller. The following screen is displayed during communication. 

5-2. Display of setting items based on the controller version

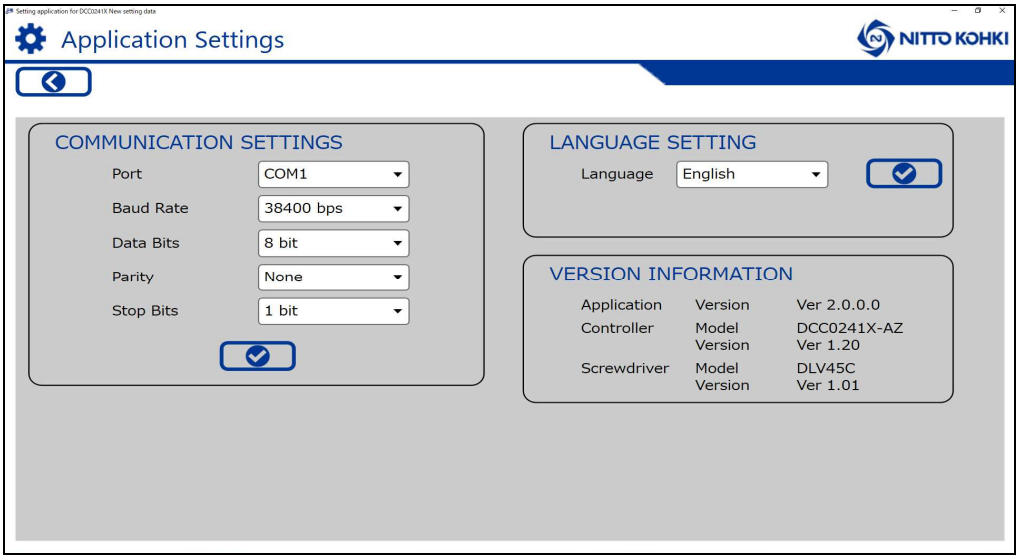
Depending on the controller version, it may not be possible to set some items. The items that cannot be set are grayed out and cannot be operated.



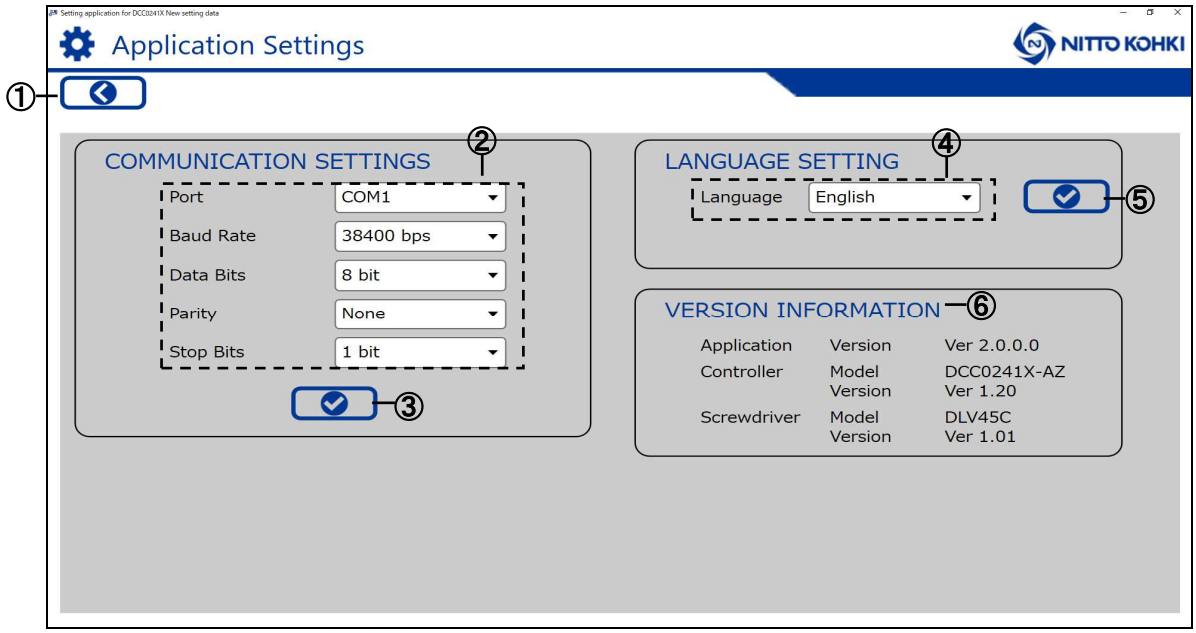
* If you continue setting a controller with a different version, return to “2. Menu screen.”

6. Application setting screen

This screen is used to set communication settings with the controller and language settings.



6 - 1 . Display details



No.	Name	Details
①	Back to Menu	Return to the menu screen.
②	COMMUNICATION SETTINGS	Set the communication with the controller (RS-232C). ＊Do not change the port other than the communication port except in special cases
③	Register COMMUNICATION SETTINGS	Save the communication settings. If you change the setting, the icon will change color to alert you.
④	LANGUAGE SETTING	Set the display language for Japanese / English.
⑤	Register LANGUAGE SETTING	Save the language settings. If the setting is changed, the icon will change color to call attention.
⑥	VERSION INFORMATION	Displays the version of this application.