# **30. Project Protection**

This chapter explains the settings relevant to project protection.

30.1.	Overview	30-2
30.2.	EXOB/CXOB Password	30-2
30.3.	Decompilation is Prohibited	30-3
30.4.	Disable HMI Upload Function	30-3
30.5.	Project Key	30-3
30.6.	MTP File Password	30-4



#### 30.1. Overview

EasyBuilder Pro provides a number of features to protect a project file.

## Note

The protected projects cannot be decrypted by the factory since they are encrypted by users; therefore, please remember your password.

#### 30.2. EXOB/CXOB Password

After editing a project (.emtp/.cmtp), users can compile the project to .exob/.cxob format. The .exob/.cxob file can be downloaded to HMI. Password can be set to protect the .exob/.cxob file in [EXOB/CXOB password] when compiling. (Password range: 0 ~ 4294967295)

A password is needed when attempting to decompile the .exob/.cxob file back to .emtp/.cmtp file. If the password is entered incorrectly for three times, please restart EasyBuilder Pro.

Compile	3
Project name : C:\Users\Janecheng\Desktop\EBProject1.cmtp	
CXOB file name : C:\Users\Janecheng\Desktop\EBProject1.cxob	
CXOB password : Settings (used in decompiler)	
Decompilation is prohibited Disable HMI upload function	
Select the languages u Password	
Password: 111111 medium (@)	
✓ Language 1 (range : 0 ~ 4294967295)	
OK Cancel	
Double dick error messages to modify the attributes of relative objects.	
Compile Font Management V Build font files Close	



#### **30.3.** Decompilation is Prohibited

After a project (.emtp/.cmtp) is edited, users can compile the project to .exob/.cxob format. The .exob/.cxob file can be downloaded to HMI. If [Decompilation is prohibited] check box is selected when compiling, the setting in [EXOB/CXOB password] will be ignored. Furthermore, the .exob/.cxob file cannot be decompiled to .emtp/.cmtp file.

Co	ompile		×
	Project name : C:\Users\Ja	necheng\@esktop\EBProject1.cmtp	
	CXOB file name : C:\Users\Ja	necheng\Pesktop\EBProject1.cxob	
	Decompilation is prohibited	Disable HMI upload function	

#### **30.4.** Disable HMI Upload Function

EasyBuilder Pro provides a system reserved register [LB-9033]. When this register is set ON, the .exob/.cxob file cannot be uploaded. When attempting to upload an .exob/.cxob file with this register set ON, the file obtained after uploading is 0 byte, and cannot be decompiled. Please reboot HMI for the changed setting to take effect.

Compile
Project name : C:\Users\Janecheng\Desktop\EBProject1.cmtp
CXOB file name : C:\Users\Janecheng\Desktop\EBProject1.cxob
CXOB password : Settings (used in decompiler)
Decompilation is prohibited

#### 30.5. Project Key

Projects can be restricted to run on a specific HMI. The setting is in [System Parameters] » [General] » [Project key].

Project key				
📝 Enable	Project key :		medium 🤇	۹
		(range : 0 ~ 429490175	50)	
* If this key is different from H	MI key, the project w	on't be executed norms	dly.	
* Use L W9046~9047 to chang	e HMI key. LB9046 i	ndicates check result (ke	ey error when bit is on).	

Enable and set the [Project key] (password range: 0 ~ 4294901750). System registers LW-9046 ~ LW-9047 (32-bit) can be used to set the [HMI key] for HMI. The values in LW-9046 and LW-



9047 cannot be accessed by a remote device. The .exob/.cxob file obtained after compiling can only be executed on HMI when [HMI key] and [Project key] match. If the keys don't match, LB-9046 is set ON. To change [HMI key], please reboot HMI.

### Note

When **[HMI key]** and **[Project key]** don't match, HMI and PLC cannot communicate.

Lick the icon to download the demo project. Please confirm your internet connection.

#### **30.6.** MTP File Password

After a project (.emtp/.cmtp) is edited, a password can be set to protect the .emtp/.cmtp file. In [System Parameters] » [Security] tab, enable [Project password] and click [Settings] (password range: 1 ~ 4294967295).

The password will be needed when attempting to open the .emtp/.cmtp file.

Execute auto login/logout (	CMTP File	
	Password : 11564	
* Simulation does not supp	·	of USB key.

### Note

When using "Window Copy" function, if the source file is protected by MTP password, please enter the correct password for the system to execute window copy.

