

Cooper App ABB Install Manual



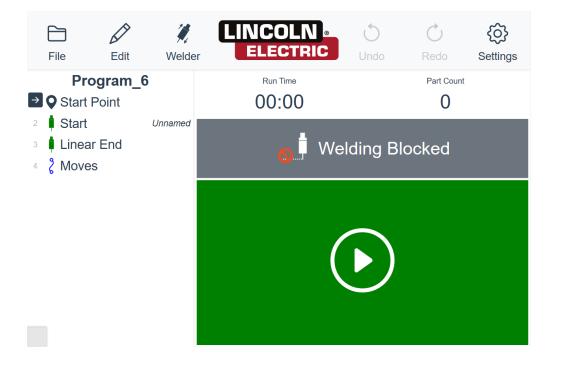




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Section 1: System Backup & Preparation

1.1: Download ABB Software

Note: If system has Cooper App v1.6 or newer, follow download and follow the steps in the "Cooper App GoFa Software Update Guide"

Navigate to Lincoln Electric's Cobot Resource Center: <u>Cooper Welding Cobot Resources | Lincoln Electric</u>. Scroll down to the section titled *Cooper Welding Cobot Software* and select the download for the Cooper App Software Update for GoFa Cobots. Insert a USB into your computer and copy the downloaded zip file to the USB. Once copied, if not already, navigate to This PC / USB drive and right click on the copied zip file. Extract all files to the USB. This will produce three new zip files. Select the zip file with the corresponding payload for your GoFa i.e. GoFa5 is for the 5kg payload arm, GoFa10 is for the 10kg payload arm and right click to extract all. There should now be a folder present on the USB.

1.2: System Backup

Before performing a system backup save and close all programs. Close the Cooper App. From the Home tab, navigate to Settings / Backup & Recovery / Backup.

ABB Robotics				Settings Find a setting	
Code Program Data Jog	کې Settings	<u>۶</u>	System About, renome this robot, hardware devices, software resources Reset, restart, installer, backup & restore	Network Vertwork summary, configuration Open Controller Configuration Save and lead configuration files	ABB Ability ^w Connectivity & services Diagnostics System Diagnostics and logs
Operate Calibrate File Explore	er SafeMove	Controller Software	Time & Language Set language, date & time FlexPendant Configue the FlexPendant System	Personalization Programmable keys Advanced Poth and log supervisions	Update Update Revendant and Controller software
E 🎲 🦂 Virtual Controller/				Puth and Jog supervisions	Safety Controller Settings and Control
	Settings find a setting actup & Recovery Restore Restart Rest user data	LL35 Backup Backup Name CR815000,5,95, Backup,202 Location [/LACKUP Backup of this Robert will be co [/LACKUP/CR815000,5,96, B Options] Backup to tar file All modules and system parar [Backup	Browneated at	ww	23.01



Click Browse to select the location to store the backup. Ensure a fresh USB is inserted to the FlexPendant and specify USB (D:) and confirm by clicking Select. Click Backup. This will store a backup to the inserted USB.

\leftarrow Settings			Ø Messages ∷≣ Event log	2		∎ @	× 🖓 100%	ROB_1 , Axis 1	
	Backup				Backup			× Cancel	🗸 Select
Backup & Recovery	Backup Name		Location	New folder	Navigate Up	D:\			
Backup & Recovery	CRB15000_5_95_Backup_20240425	×	Controller disk	Name			▼ Size	Date added	Туре
Restore	Location		USB Drive (D:)	Cooper	-1.6.0-beta.2-GoFa5			2024-04-22 18:20	Folder
🖵 Restart	/BACKUP	Browse	•						
5) Reset user data	Backup of this Robot will be created at								
	/BACKUP/CR815000_5_95_Backup_20240425								
	Options								
	Backup to tar file								
	All modules and system parameters will be stored in a backup folder								
	Backup								
▲ Home 🛞 Settings		23:03	A Home 🛞 Settings						15:18
	Ø Messages 🗄 Event log 왿		• @ (¥ ∽ 1	00% S	Axis 1-3				
				ROE					
	\leftarrow Settings								
		Backup							
	Backup & Recovery	Backup Name							
	Backup & Nectivery	15000-800092_Backup_20240501		×					
	Restore	Location							
	Restart	D:\			Browse				
					biolise				
	RobotWare Installation Utilities	Backup of this Robot will be created							
	5] Reset user data	D:\\15000-800092_Backup_202405	i01.tar						
		Options							
		Backup to tar file							
		All modules and system parameters	will be stored in a backup fold	der.					
		Backup							
	🛕 Home 🎡 Settings					15:21			

A popup will be displayed that the backup has been successfully stored to the USB. Click OK to close.



1.3: Synchronize Cobot

1 1 100000

Move robot to synchronization position. Select Home / Settings / Safety Controller / Synchronization.

Ā	ABB Robotic	s				System	Settings Ted a sitting	
	Code	Program Data	Jog	Settings	€ \$	System Aboot, rename this devices, software / Backup & Recor Reset, restart, insta restore	rety	ABB Ability ^w Connectivity & services Diagnostics System Diagnostics and logs
	Operate	Galibrate	File Explorer	SafeMove	Controller Software	FlexPendant Configure the Flex	Advanced	Update Update TedPendent and Controller software Safety Controller Safety Controller
	÷		al Controller/Coope	2			문 Log out Default User ③ Restart	
			← Setti Find a setti Safety Contro ⓒ Confi □ Group	ing iller guration ps	Synchronizatio	DD will positions with sync positions Sync Positions 0.000 *	Status Actual Positions	
			Stop	nronization	2 3 4 5 6 Move to Sync Positi		0.000 * 0.000 * 30.000 * 0.000 *	
			A Home	්ලීම Settings	Enable Move to Sync Positic Off Press and hold to m	on	Synchronize 23:16	



Press the three dots in the upper right hand corner of the Flex Pendant and select Control. Set the Mode to Manual.

← Settings		× Cont	rol Panel	Cont
Find a setting Safety Controller Configuration Mode Synchronization Stop Status	Synchronizati Jog the robot to match act Drive ROB_1 v Joint Id 1 2	Mode: Manual @ Auto Motors: Guard Stop @ Motors off	Unlocked	Jo Jo Lead-th Execu Visu
	3 4 5 6	Speed 100% Reset program	m (PP to main)	ABB Ab
	Move to Sync Positi Enable Move to Sync Positi Off + Press and hold to n	▷ Play	□ Stop	Logo Rest

Toggle Enable Move to Sync Position to On.

Ø Messages Event log		■ 🐒 🛞 ·	∽ 100% S ⊕, Axis 1-3
\leftarrow Settings			
Find a setting Safety Controller Configuration	Synchronization Jog the robot to match actor Drive ROB_1 ~	O N ual positions with sync positions	s Status 🔵
- Mode	Joint Id	Sync Positions	Actual Positions
Synchronization	1	0.000 *	0.000 *
Stop Status	2	0.000 °	0.000 *
	3	0.000 °	0.000 *
	4	0.000 *	0.000 *
	5	0.000 °	30.000 °
	6	0.000 °	0.000 *
	Move to Sync Positi Enable Move to Sync Positi On Enable the motors to joy	on	Synchronize
🛕 Home 🛞 Settings			23:40



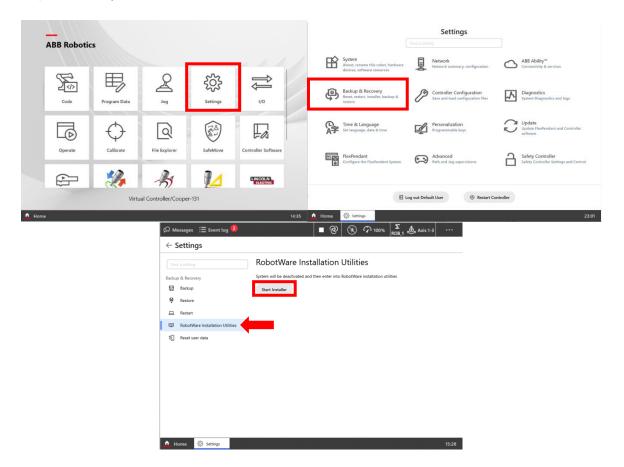
On the Flex Pendant, physically depress the dead man switch located on the handle of the pendant. It will need to be partially depressed to enable the motors. While partially depressed, with the motors on, press and hold the 'Press and hold to move' button. Hold until all axis are at or as close as possible to 0.000 then press Synchronize.

Find a setting afety Controller	Jog the robot to match Drive ROB_1 ~	tion actual positions with sync positions	Status 🔵
- Mode	Joint Id	Sync Positions	Actual Positions
Synchronization	1	0.000 *	0.000 °
Stop Status	2	0.000 °	0.000 °
	3	0.000 °	0.000 °
	4	0.000 °	0.000 °
	5	0.000 °	0.000 °
	6	0.000 °	0.000 °
	Move to Sync Po Enable Move to Sync Po On	sition	Synchronize



1.4: Take System Snapshot

Ensure all programs have been closed and Mode is still set to Manual. Navigate to Home / Settings / Backup & Recovery / Robot Ware Installation Utilities and click Start Installer.





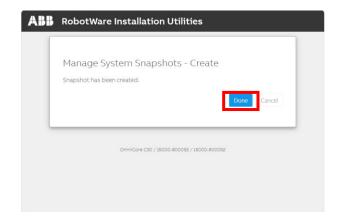
A popup will be presented notifying that the controller will be restarted and the current system deactivated. Click OK. The controller will restart and the RobotWare Installation Utilities menu will be displayed. Navigate to Advanced / System Snapshots.

ABB RobotWare I	nstallation Utilities		ABB RobotW	are Installation U	tilities	
Start RobotWare System	Install RobotWare System	View RobotWare System Information	Download Error Report	Restore Hardware Settings	Disk Cleanup	Update RobotWare Installation Utilities
Manage Licenses	Set Controller Name	Advanced	RobotWare Installation Utilities Information	System Snapshots	Date and Time	Back to main menu
o	mnlCore C30 / 15000-800092 / 15000-8000	92		OmniCore C30 / 15000-	800092 / 15000-800092	

To create a snapshot, click Create. Enter a name and description for the snapshot then click Create once again to save it.

ABB	RobotWare Installation Utilities		ABB	RobotWare Installation Utilities	
	Manage System Snapshots			Manage System Snapshots - Create	
	Press create to store a snapshot of the current system :	state.		Creating a snapshot will store a full copy of the current system state including installed software, user and system internal data. This will not affect your current system.	
	Snapshots storage capacity Using 1568MB of total 2560MB (6125%)			Name May1-2024	
	Existing snapshots			Description	
	> 2024-04-30 17:09:54 GMT \$sysupdate1	3 Restore 3 Delete		Snapshot	
	> 2024-04-30 13:17:34 GMT 04-30-24	3 Restore 🖻 Delete		Create Cancel	

Once the snapshot has been saved successfully, click Done.





From the Manage System Snapshots menu, scroll down to select Back / Back to main menu to return to RobotWare Installation Utilities menu.

Existing snapshots		Download Error Report	Restore Hardware Settings	Disk Cleanup	Update RobotWa Installation Utilit
> 2024-05-0116:38:08 GMT May1-2024	3 Restore 🛢 Delete		2	Ē	ζB
> 2024-04-30 17:09:54 GMT \$sysupdate1	2 Restore 🖹 Delete			_	
> 2024-04-30 13:17:34 GMT 04-30-24	🕄 Restore 📋 Delete				
> 2024-03-25 08:12:51 GMT 32524	2 Restore 🖹 Delete	RobotWare	System Snapshots	Date and Time	Back to main me
> 2024-03-19 13:26:03 GMT before16	🗃 Restore 📋 Delete	Installation Utilities Information			
> 2024-03-13 14:41:34 GMT test16	2 Restore 🖻 Delete	6	20	Ē	←

Section 2: Delete RobotWare System

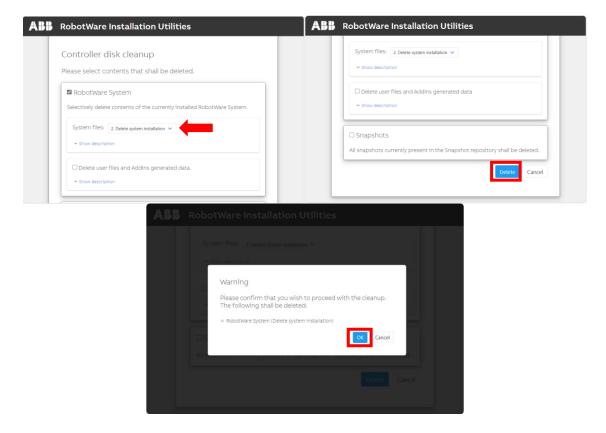
2.1: Delete Previous RobotWare System

From the main menu, select Install RobotWare System and select the linked text "delete the system".

ABB RobotWare Installation Utilities			ABB RobotWare Installation Utilities		
Start RobotWare System	Install RobotWare System	View RobotWare System Information	o o o o o Start Select Package (Lipbad) Lipbad) Lipbad) Done Install RobotWare System An installation Package will be needed to perform the installation.		
Manage Licenses	Set Controller Name	Advanced	We have detected that a RobotWare System is already installed. Please delete the system before installing a new RobotWare system. Back Next Cancel		
c	0mniCore C30 / 15000-800092 / 15000-8000	092			



To delete the existing RobotWare System, under System Files specify option 2: Delete system installation. Leave all other options as default. Scroll down to press Delete and click OK to confirm.



Once the system has been cleaned up, click OK to continue.

Section 3: Install RobotWare System

3.1: Install RobotWare

Insert the USB with the downloaded software to the FlexPendant and press Next to install RobotWare System. Select Browse.



COCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO	Start Select Package (Update) Confirm , Upload, Linstall. Dom
Install RobotWare System	Select Package
We will guide you through the process of installing a	Please select a directory containing an Installation Package.
RobotWare System on your controller. An Installation Package	
will be needed to perform the installation.	Browse
Press Next to proceed, Cancel to abort.	
Back Next Cancel	Back Next Cancel

On the USB, select the folder that was extracted. Note: do not click into the folder, you are selecting the whole folder. Click Upload. You will be prompted to confirm the selection by clicking Next to begin the install.

→ ✓ ↑ → USB Drive (D:) ✓ Ŭ	Search USB Drive (D:)	Start Select Package (Update) ConfirmUploadInstall. Done
Videos Videos USB Drive (D) Network Vis D Drive (D) Network Folder: Cooper-v1.6.0-GoFa5	Date modified Type 4/3/2024 531 PM File fe 5/1/2024 645 PM File fe Upload Cancel cel	Confirm Selection The following system will be installed: Systems/Cooper-160- GoFa5 Press Next to proceed, Cancel to abort. Back Next Cancel

Note: If RobotWare Installation Utilities presents the message, "The controller contains no RobotWare System or current system is corrupted. Please install a new system before processing." Reattempt Section 3.1. If unsuccessful more than five times, contact support.

Once the installation has successfully completed, click Done.

BB	Rob	otWare In	stallati	on Utilit	ies		
-	Start	Select Package	(Update)	Confirm	Upload	.install.	Done
	Ins	tallation o	done				
	The	RobotWare \$	System ha	is been sud	cessfully in	stalled!	
					Back	Done	Cancel
L							
		c	mniCore C30 ,	/ 15000-800092	/ 15000-800092		



3.2: Launch RobotWare System

From the main menu, select Start RobotWare System / Start. This will launch RobotWare and will restart the controller. This process will take several minutes.

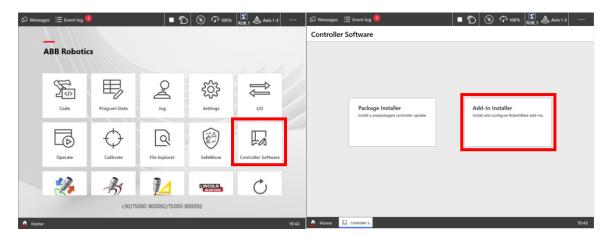
Ð	⊥	()	Start RobotWare System Press "Start" to activate the RobotWare system and leave RobotWare Installation Utilities. Start Cancel
Manage Licenses	Set Controller Name	Advanced	Cance

Note: If popup occurs for new FlexPendant version available, select Install.

Section 4: Cooper Option Configuration

4.1: Select Cooper Options

Once the controller has restarted, specific Cooper App features will need to be selected. Navigate to Home / Controller Software / Add-in Installer.

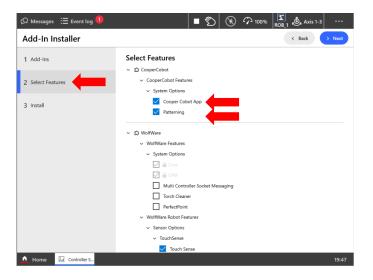




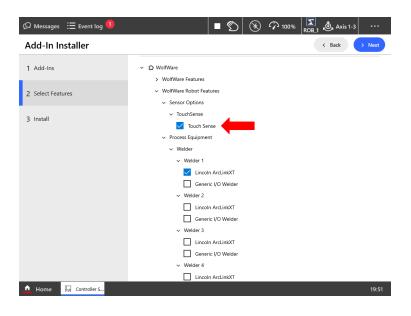
From the Select Features menu, ensure the following additional options are selected (**do not uncheck any options that are already selected**):

CooperCobot / CooperCobotFeatures / System Options /

Cooper Cobot App Patterning



WolfWare / WolfWare Robot Features / Sensor Options / Touch Sense / Touch Sense





Process Equipment / Arc Tracker / ThruARC

1 Add-Ins ~ TouchSense 2 Select Features ~ Touch Sense 3 Install ~ Welder 1 Generic L/D Welder ~ Welder 1	> Next	< Back		Add-In Installer	
2 Select Features				1 Add-Ins	
3 Install Cincoln ArcLinkXT			✓ Welder	2 Select Features	I
Lincoln ArcLinkXT Generic I/O Welder Welder 3 Lincoln ArcLinkXT Generic I/O Welder Welder 4 Lincoln ArcLinkXT Generic I/O Welder VarcLinkCT Generic I/O Welder VarcTracker Thru-ARC				3 Install	

WolfWare / WolfWare Robot Features / Process Applications / WolfArc WolfArc Multipass WolfArc Stitch

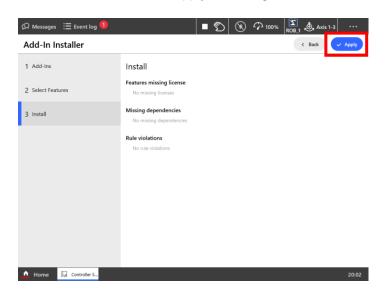
Then click Next.

∽ Messages 🗄 Event log 🚺	■ 🔊 🛞 🏹 100% 🖺 🕵 Axis 1-3
Add-In Installer	< Back > Noxt
1 Add-Ins	 ✓ System Options ✓ Cooper Cobot App
2 Select Features	Patterning
3 Install	 D WolfWare > WolfWare Reatures > WolfWare Robot Features > Sensor Options > Touch Sense > Process Equipment > Process Equipments > Process Applications WolfArc MultiPass WolfArc Stitch WolfArc Parametric
🛕 Home 🔲 Controller S	19:55



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If licenses are missing for any options that were selected, send the backup taken in Section 1.2 to service and ask for assistance updating the licenses. If there are no issues, click Apply to continue. Select Yes on the following popup to restart the controller and apply the changes.



4.2: Update Cooper App

ⁱ Message	s 🗄 Event log	A safety config	uration must be created		∑ , ⊕, Axis 1-3 ··	ssages 🗄 Event log 🛕 A safety (configuration must be created using Saf	∽ 100% S ROB_1 ⊕ Axis 1-3 ···
A	BB Robotic	5					Settings	ABB Ability~
	Code	Program Data	Jog	کې Settings	ĵ, ĵ	About, rename this robot, hardware devices, software resources Backup & Recovery Reset, restart, installer, backup & restore	Network summary, configuration	Connectivity & services Diagnostics System Diagnostics and logs
	Operate	Calibrate	File Explorer	SafeMove	Controller Software		Personalization Programmable keys Advanced Path and Joo supervisions	Update FlexiPendant and Controller software Safety Controller Safety Controller Safety Controller
	\$ 2	C30/15	000-800092/15000-8	000092	<i>(</i> *,	-	st Default User 🛞 Restart Conf	
Home	Settings				20:	erne 🛞 Settings		

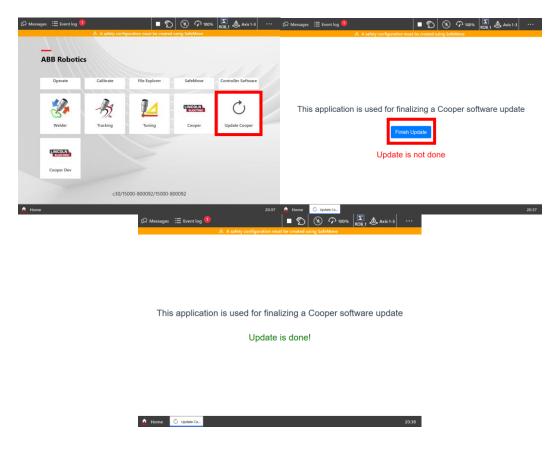
Once controller has restarted, navigate to Settings / Logout as Default User.

Log in with the credentials: Username: Admin Password: robotics



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Select the Home tab and select Update Cooper. Click Finish Update to apply the options selected in Section 4.1 to the app. Once complete, the screen will display the message 'Update is done!'



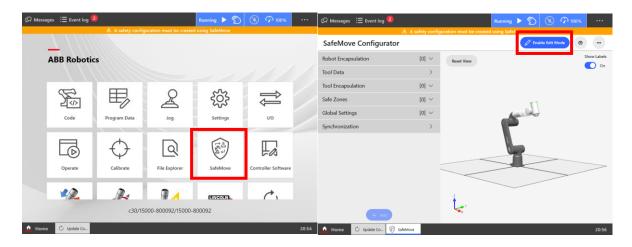
Section 5: Safety & FlexPendant Configuration

5.1: SafeMove Configuration

WARNING: Follow this update procedure exactly. Following the procedure eliminates the possibility of changing critical robot safety configurations. Knowingly changing any robot safety configuration places responsibility on the user for any detrimental or dangerous effects caused by the change.



Navigate Home / SafeMove. Select Enable Edit Mode. From the popup, select the option "No, Start With Empty Configuration".



Select the three dots in the top right corner and from the dropdown list choose 'Load Configuration From File'.

A SafeMove Configurator Robot Encapsulation Tool Data Tool Encapsulation	safety config [0] ↓ > [0] ↓	rration must be created us	sing SafeMove	↓ Write to co		Show Labels
Robot Encapsulation Tool Data	>	Reset View		↓ Write to co		Show Labels
Tool Data	>	Reset View				
Tool Encapsulation	[0] ~					- On
Safe Zones	[0] ∨			11		
Global Settings	[1] ∨					
Synchronization	>					
			1			
		Z				
+ Add		× Y				
Home Update Co E SafeMove		_	_	_	_	20:59



	▲ A safety configuration must be created u	Ising satemove				\mathbb{A} . A safety configuration must be created (ising SafeMove		
	Load		× Cancel	🗸 ОК		Load		× Cancel	🗸 ок
ocation	New folder Navigate Up 0				Location	New folder Navigate Up 🖒 /HOME			
Controller disk	Name	▼ Size	Date added	Туре	Controller disk				
USB Drive (D:)	addindata		2024-04-22 18:25	Folder	USB Drive (D:)	EDS EDS		2024-05-01 20:31	Folder
	BACKUP	-	2024-04-22 18:25	Folder		nc III		2024-05-01 20:31	Folder
	DATA		2024-04-22 18:25	Folder		Programs		2024-05-01 20:31	Folder
	П номе	-	2024-05-01 20:46	Folder		webapps		2024-05-01 20:31	Folder
	PRODUCTS		2024-05-01 20:32	Folder		WolfWare		2024-05-01 20:31	Folder
			2024-05-01 20:39	Folder		Dashboard.xml	7.18 KB	2024-05-01 20:31	File
	TEMP		2024-05-01 20:59	Folder		SafeMove_Cooper.xml	13.30 KB	2024-05-01 20:31	File

Select HOME / SafeMove_Cooper.xml and click OK. When asked to proceed, click Yes.

Select Write to Controller. The following screen will list all information related to the safety configuration. Select Apply to Controller. After being applied, you will be prompted to restart the controller. Select Restart Controller.

Ø Messages 🗄 Event log 🔕		∎ 🐒 🛞	100% SOB_1 & Axis 1		🖓 Messages 🛛 🗮 Event log 🔕	🔳 🐑 🛞 🖓 100% 🖺 🛣 Axis 1-3
٨	A safety config	juration must be created using Sa			🖄 A safety configuration n	nust be created using SafeMove
SafeMove Configurator			🖞 Write to controller		1. General Information	
Robot Encapsulation	[0] 🗸	Reset View		Show Labels	Created by: Admin	
Tool Data	>			On On	Creation date: 2024-05-02T05:06:22.7781576+08: System name: 15000-800092	00
Tool Encapsulation	[0] ~				Configuration version: 1.06.01	
					Controller image version: 3.00.00	
Safe Zones	[1] 🗸				Checksum: 227F 02A2 3F2B 3E0E FBD1 C6A	F 0B1A FE63 EC23 C37C 7CFF 4632 A046 5A05 D4E2 8EAD
Global Settings	[2] 🗸		Long Long		Protected elements checksum: F194 5CD6 C19E 56B3 C1C7 894	EF5E C181 1690 7A4C A1EF C40A 57D4 8AB1 DB7A DFC5
Synchronization	>	iter and the second sec			2. Safety Configuration 2.1 Drive Modules Drive Module 1 Configuration Max speed manual mode	
+ Add		×			Save Report	Cancel Apply to controller
🛕 Home 🖸 Update Co 🖗 Safek	love			21:05	Home Update Co Ø SafeMove	21:07

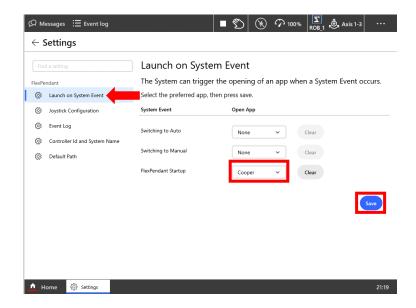


5.2: FlexPendant Configuration

Navigate Home / Settings / FlexPendant.

ABB Roboti	cs					Find a setting	
-		0	.0.		System About, remarns this robot, hardware devices, software resources	Network Network summary, configuration	Connectivity & services
20	眼	2	Ś	ţ	Backup & Recovery Reset, restart, installer, backup &	Controller Configuration	Diagnostics System Diagnostics and loss
Code	Program Data	Jog	Settings	1/0	restore	Save and load configuration files	System Diagnostics and logs
R	\triangle	Q	T Ba	Fa	AP Time & Language Set language, date & time	Personalization Programmable kays	Update Update FlexPendant and Controller software
Operate	Calibrate	File Explorer	SafeMove	Controller Software	FexPendant	Advanced	0
operate	Canorate	The capitres	Jacinore	Controller Software	FlexPendant Configure the FlexPendant System	Advanced Futh and Jog supervisions	Safety Controller Safety Controller Settings and Contro
	15	9/		Ċ			

In Launch on System Event, set FlexPendant Startup to Cooper and click Save.





Return to the Settings menu and select Personalization.

			Settings		
盼	System About, rename this robot, hardware devices, software resources		Network Network summary: configuration	0	AB8 Ability** Connectivity & services
¢	Backup & Recovery Reset, restart, installer, backup & restore	Þ	Controller Configuration Save and load configuration files	\mathbb{A}	Diagnostics System Diagnostics and logs
色 A字	Time & Language Set language, date & time	¢	Personalization Programmable keys	C	Update Update FleaPendant and Controller software
	FlexPendant Configure the FlexPendant System	ţ	Advanced Path and Jog supervisions	6	Safety Controller Safety Controller Settings and Contro
		Log out Defa	sult User @ Restart Cor		

Click the arrow to expand Key 2. Set the information as follows and click Apply:

Friendly Name: Gas Purge Type: Output Key Pressed: Press/Release Allow in Auto: Yes Digital Outputs: soGasOn_W1_R1

	Programmable keys		
rsonalization	Configures programmable keys	Collapse All	
Programmable keys	= Key 2 [Gas Purge] Configured	^	
	Friendly Name		
	Gas Purge	×	
	Туре		
	Output	~	
	Key Pressed		
	Press/Release	~	
	Allow in auto		
	Yes	~	
	Digital Outputs		
	soPurgeGas_W1_R1	~	



Click the arrow to expand Key 3. Set the information as follows and click Apply:

Friendly Name: Retract Wire Type: Output Key Pressed: Press/Release Allow in Auto: Yes Digital Outputs: soFeedBkwd_W1_R1

⟨♀ Messages : Event log	■ 🐑 🛞 🆓 100% [🛐 🌦 Axis 1-3		
\leftarrow Settings			
	Programmable keys		
Personalization	Configures programmable keys Collapse All		
Programmable keys	≡ Key 3 [Retract Wire]		
	Friendly Name Retract Wire ×		
	Туре		
	Output ~		
	Key Pressed		
	Press/Release V		
	Allow in auto		
	Yes 🗸		
	Digital Outputs		
	soFeedBkwd_W1_R1 ~		
	Reset		
n Home တို့ Settings	21:33		



Click the arrow to expand Key 4. Set the information as follows and click Apply:

Friendly Name: Feed Wire Type: Output Key Pressed: Press/Release Allow in Auto: Yes Digital Outputs: soFeedFwd_W1_R1

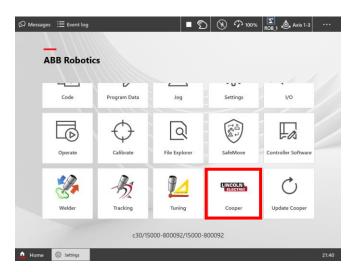
였 Messages ː☰ Event log	■ 🕥 🛞 🖓 100% 🖺 🕵 Axis 1-3	
Settings		
	Programmable keys	
ersonalization	Configures programmable keys Collapse All	
Programmable keys	≡ Key 4 [Feed Wire]	
	Friendly Name	
	Feed Wire ×	
	Туре	
	Output v	
	Key Pressed	
	Press/Release 🗸	
	Allow in auto	
	Yes 🗸	
	Digital Outputs	
	soFeedFwd_W1_R1 ~	
	Reset Apply	
Home 🔅 Settings	21	



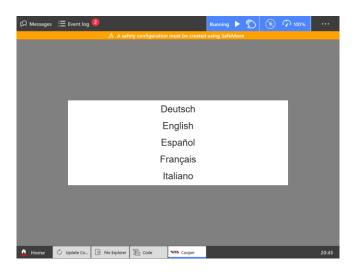
Section 6: Launch Cooper App

6.1: Setup Cooper App

Navigate Home / Cooper.

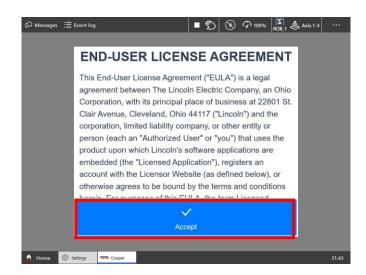


Select the language for the Cooper App.

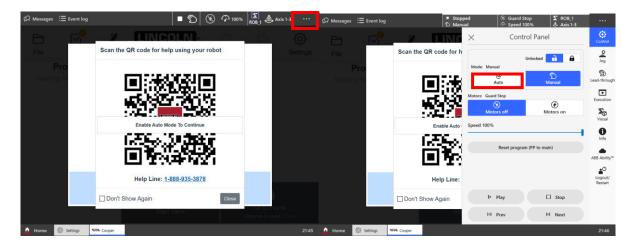




Read the End User License Agreement and click Accept.



Re-enable Auto Mode by selecting the 3 dots in the top right and change Mode to Auto. Click Confirm and Acknowledge. Click the 3 dots again to close the right side menu.





Scanning the following QR code will redirect you to tutorials and resources for the Cooper App. Click Close to continue.



6.2: Initialize Weld Data

Finally, you will be prompted to reselect your consumables. Select the appropriate Wire Type, Wire Size, and Gas Type present on your system. This will load in improved Weld By Number parameters for your respective consumables. If you are not using Weld By Numbers or the consumables you are using on your system are not listed in the dropdown selections, you can instead select Skip to reimport your custom weld data. Once consumables have been selected, press OK to load in the weld-by-number weld database.

Loa	ad Lincoln Ele	ectric Weld Data		
	Wire Type			
	Solid - SuperArc L-59			
	Wire Size	0		
	0.035 in			
	Gas Type			
	75/25% Ar/CO ₂			
	Clear Selections			
	System data will be loaded for consumables. Existing programs will refere			
	\checkmark	\rightarrow		
	ОК	Skip		

If you opted to skip loading Lincoln Electric's Weld By Number parameters or if you have additional custom Weld Data available on the cobot, you will be presented with the option to import Custom Weld Data into the Cooper App. Here you will be prompted to name the custom weld data and select the desired bead data.



If you would like to set a crater fill on your weld, drop down the arrow for Additional Data and select your crater fill parameters. Once you have made all your desired selections, click Import.

You will be brought back to the import custom weld modal. If there are additional welds you wish to import, you can repeat the above process to import. If you are finished importing custom welds, click Exit.

You have successfully updated the Cooper App!

