

Signature Series

SPCC Series High Torque Cordless Tools



Table of Contents

1.	Safety Guidelines	3
2.	Display Screen Overview	6
2.1	Programming Keys	6
2.2	Display Screen Walkthrough	7
3.	Display Screen Settings	8
3.1	Run Screen	8
3.2	Lock Function	8
3.3	Torque Stage	9
3.4	Setting Screen	9
3.5	Tool Calibration	10
3.6	Batch Count	11
3.7	Safety Trigger (Dual Trigger Models).	11
3.8	Torque Measurement Unit	12
3.9	Tightening Direction.	12
3.10	Memory Datetime.	13
3.11	Data Collection.	17
4.	Torque Reaction	19
5.	Status LEDs and Beeper	20
6.	Tool Specifications	21
7.	Charging the Battery Pack	23
8.	Battery Charger Lamp Indications	24

1. SAFETY GUIDELINES

WARNING! READ ALL INSTRUCTIONS. Always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock, and personal injury. Understand the following safety instructions before attempting to operate this product. Always wear eye protection when working with power tools. Keep these instructions in a safe place.

SAVE THESE INSTRUCTIONS

General Safety

Work Area Safety

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

Personal Safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing

and balance at all times. Proper footing and balance enables better control on the tool in unexpected situations.

- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

Electrical Safety

- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Power Tool Use and Care

- Do not force the power tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of accidentally starting the power tool.
- Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and

any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

Service

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing an AIMCO Signature Series tool it is important to use AIMCO Signature Series parts and all work should be undertaken by a qualified AIMCO Signature Series Authorized Technician. Use of unauthorized parts or work performed by a non-authorized technician will void warranty and may create a risk of damage to the tool, risk of electric shock, or injury to a user.

Additional Safety Rules

Power Tool Operation

- Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring or its own cord. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Battery Charger

Caution: To reduce risk of injury, charge only the authorized batteries. Other types of batteries may burst, causing personal injury and damage.

- Before using battery charger, read all instructions and cautionary markings on batteries, chargers, and products using batteries.
- Do not allow anything to cover or clog the charger vents.
- To reduce the risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Do not expose charger to rain, snow, or wet conditions.
- Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.
- Make sure cord for charger is located so that it will not be stepped on, tripped on, tripped over, or otherwise subjected to damage or stress.
- Do not abuse the power cord. Never use the cord to carry the charger. Keep cord away from heat, oil, water, sharp edges, or moving parts. Replace damaged cords immediately.

This product has been carefully inspected prior to leaving the factory. It should provide you with years of satisfying service under normal operating conditions. Do not, however, force the tool to perform outside its design parameters. Such usage will void the warranty.




- Do not operate charger if it has been damaged in any way. Take it to a qualified service center for repair.
- To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- Do not disassemble charger or battery cartridge. Take it to a qualified service center when repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Do not incinerate the battery pack even if it is severely damaged or completely worn out. The battery pack can explode in a fire.
- Do not deform a battery pack. Squashing, dropping, or shaking a battery pack is dangerous as it may result in leaking or exploding.
- Do not charge inside a box or container of any kind. The battery must be placed in a well-ventilated area during charging.

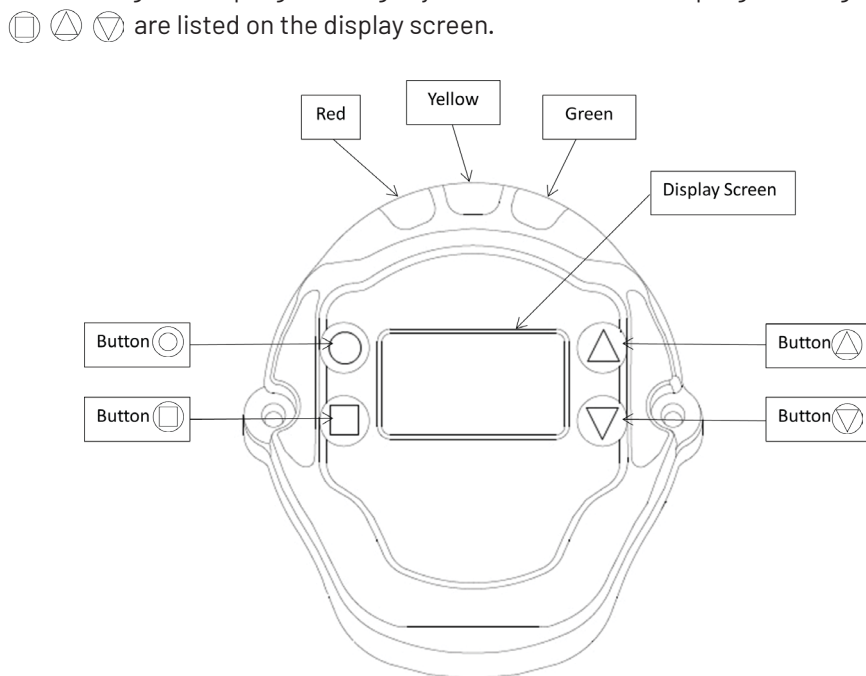
Battery Pack

- Do not charge battery pack when temperature is below 2° C (35.6° F) or above 45° C (113° F).
- Do not attempt to use a step-down transformer, an engine generator, or DC power receptacle.
- Do not short the battery pack: Do not touch the terminals with any conductive material. Avoid storing battery cartridge in a container with other metal objects such as nails, coins, paper clips, etc.
- Do not store the battery pack in locations where the temperature may reach or exceed 55° C (131° F).
- Do not store batteries in a location subject to high humidity and temperatures where they are exposed to direct sunlight. High humidity may cause condensation on batteries, resulting in short-circuiting. Leaving a battery in a location subject to high temperatures for a long time will reduce the battery performance.
- Keep battery pack clean and dry. Wipe the battery terminals with a clean dry cloth if they become dirty.
- In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not dispose of battery packs into household waste, fire, or water. Battery packs should be collected, recycled or disposed of in an environmentally-friendly manner. Call authorized warranty centers for locations to dispose of damaged or inoperable batteries.
- Always purchase battery packs from the manufacturer or authorized distributors.
- Do not leave the battery pack on charge for extended periods when not in use.

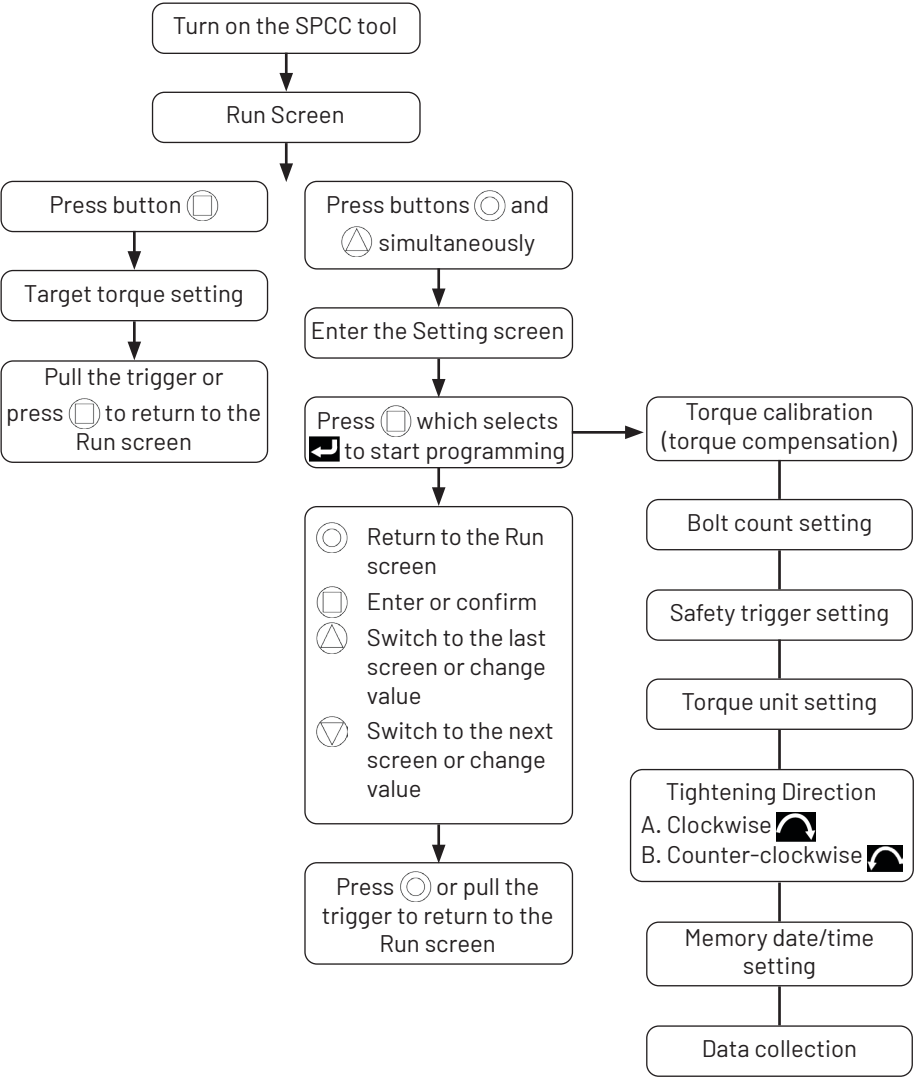
2. DISPLAY SCREEN OVERVIEW

2.1 Programming Keys

The following image shows the display screen of SPCC series tool with LED indicator lights and programming keys. The functions of the programming keys    are listed on the display screen.



2.2 Display Screen Walkthrough



3. DISPLAY SCREEN SETTINGS

3.1 Run Screen

The initial run screen shows:

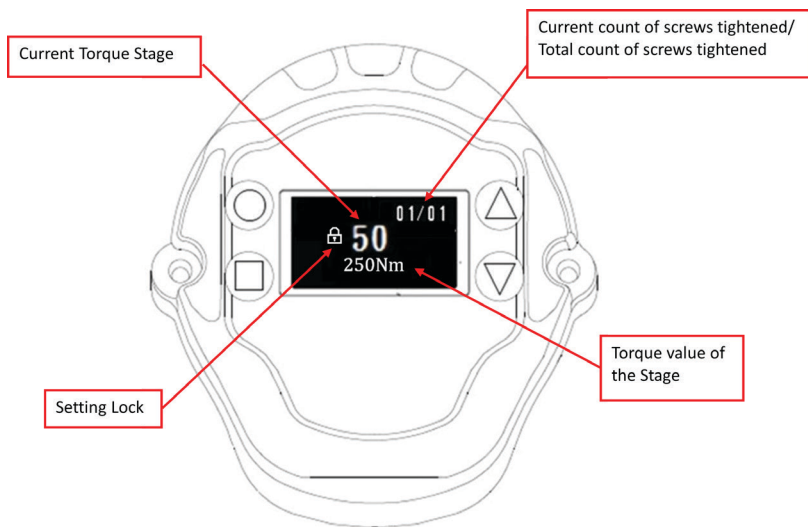
1. Primary display (center): Current torque stage setting and its corresponding torque value.
2. Upper secondary display (right): Current count of screws tightened / total count of screws tightened.

3.2 Lock Function

This function enables you to lock the preset settings and avoid accidentally changing them.


1. Remove the battery, then press the trigger and one of the F/R switch buttons at the same time.
2. Install the battery pack.
3. Release the trigger and switch until the beep sound is heard.
4. A lock icon will show on the display, which means the preset settings are locked.
5. To unlock, repeat the steps from 1 to 3.





Note: If the trigger and the switch button are not released when the beep sound is heard, then the lock setting will fail.

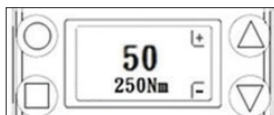



3.3 Torque Stage



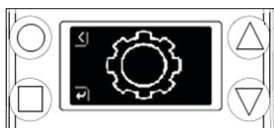
The torque stage setting is from 1 – 50. The corresponding torque value will vary according to different stage setting from minimum to maximum. Press  to enter the setting. The screen background turns from black to white.







1. Press  /  to increase the fastening level. Maximum is 50.
2. Press  /  to decrease the fastening level. Minimum is 01.



3. Press  or pull the trigger to confirm and save. The screen background color turns to black from white.

3.4 Setting Screen

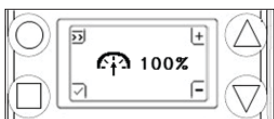


1. Press  and  simultaneously to enter the setting screen.
2. Press  /  to return to the run screen
3. Press  /  to start programming.

Caution!

- Only qualified personnel should operate this tool.
- Improper use of the calibration function will result in damage.
- Always calibrate at Target Torques that result within the tool torque range, or severe tool damage will occur.
- The calibration values should only be modified by a Qualified Calibration Technician, using a suitable testing bench.

To calibrate the tool after a certain period of operation, or after changing spare parts and during tool maintenance:



1. Press and simultaneously and press twice to enter the setting screen.
2. Press / to enter the parameter of setting.
3. Press / to increase value. The maximum is 120%.
Press / to decrease value. The minimum is 80%.
4. Press / to confirm.
5. Press twice to return to the run screen.

When the tool is set at a certain stage setting, with its corresponding torque value (for example 660 Nm), if the reading on the test bench equipment shows a different value (for example 600 Nm), you can use this difference to recalibrate. In this example, there's 10% difference between the actual torque and the target torque. This implies that recalibration should be carried out by doing torque compensation, adjusting the output torque to 110%. Once the torque is compensated, please verify the torque on the test bench again, until the actual torque reading shows 660 Nm, same as the target torque shown on the tool. Then the tool calibration is completed.

[NOTE] When the tool compensation adjustment is made, it will affect the target torque value at all other stages accordingly. Make sure to calibrate the tool again if you need to work at a different application (stage), such as 300 Nm, by the steps mentioned above, to verify torque accuracy.

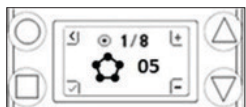
3.6 Batch Count

Adjust the batch count required for your job. Once the actual tightening screws reach the preset screw number, the job is completed.



1. Press / to enter for setting. The screen background turns to white from black.

2. Press / to increase the number of screws. The maximum number is 99.
3. Press / to decrease the number of screws. The minimum number is 01.

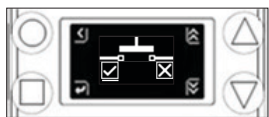


4. Press / to confirm.
Press / and the screen background color turns to black from white.
5. Press / to go to next setting.
Press / to go back to last setting.
Press / to return to the run screen.

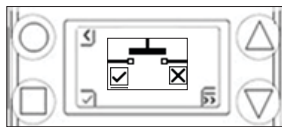
3.7 Safety Trigger (Dual Trigger Models)

This setting is available for dual-trigger models only.

To activate or turn off the safety trigger function:



1. Press / to enter for setting. The screen background turns to white from black.
2. Press / to select the safety trigger setting, On or Off .



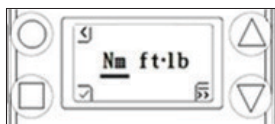
3. Press / to confirm and save and press / the screen background color turns to black from white.
4. Press / to go to next setting, or press / back to last setting, or press / to return to the run screen.

3.8 Torque Measurement Unit

Adjust the unit of torque value



1. Press / to enter for setting. The screen background turns to white from black.
2. Press / to select the unit measurement in Nm or ft·lb.



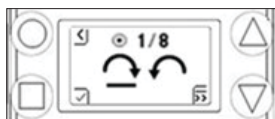
3. Press / to confirm and save. Press / the screen background color turns to black from white.
4. Press / to go to next setting, or press / back to last setting, or press / to return to the run screen.

3.9 Tightening Direction

Tightening direction can be selected with the Forward and Reverse operation. The cursor appears underneath the current selected direction. The tool operates according to the setting for tightening and loosening in the opposite direction.



1. Press / to enter for setting. The screen background turns to white from black.



2. Press / to move the cursor to select the direction.
3. Press / to confirm. Press / the screen background color turns to black from white.
4. Press / to go to the next setting
Press / to go back to the last setting
Press / to return to the run screen.

3.10 Memory Datetime

The database datetime is set according to the requested time zone. However, if the datetime of the data does not match the local time of user's location, follow the steps below to sync the datetime.

[Note: Use the full charged battery to ensure this function is operated properly.]



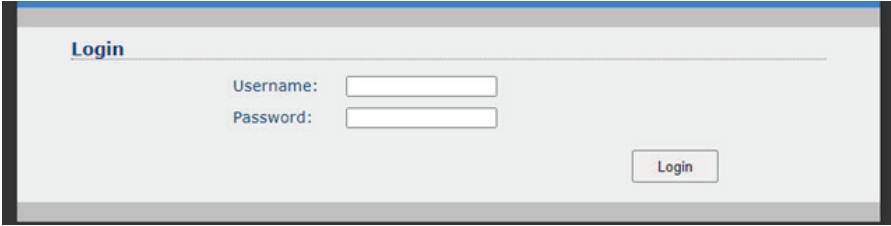
1. Unscrew the two bolts on the cover back of the tool.

2. Remove the cover of the short-circuit connector (see the red circle below). Ensure the connector does not touch the circuit board; otherwise a short circuit could damage the board. Then, connect the battery to the tool. (When not in use, please reinsert the short-circuit connector cover.)



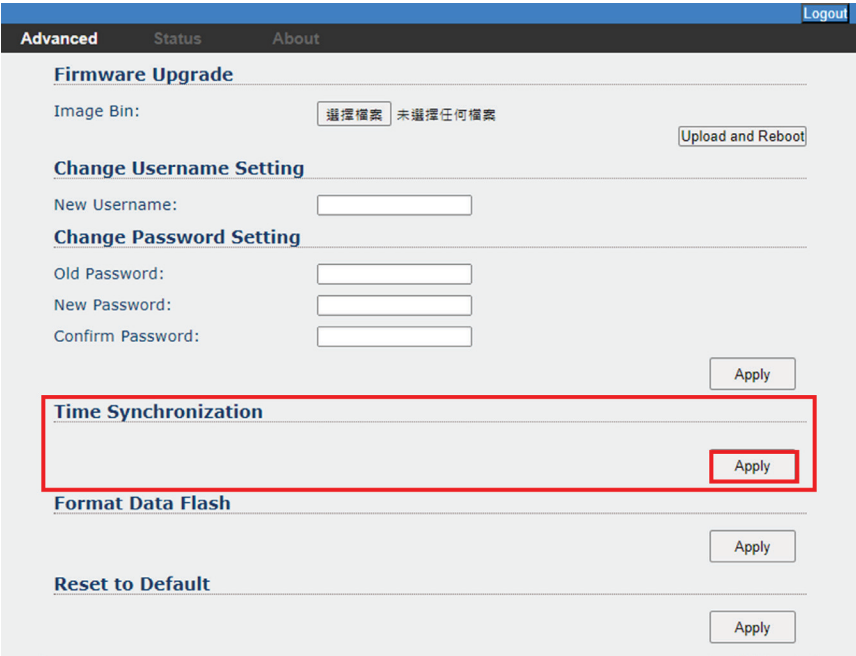
3. After connecting the battery pack, search for devices with names starting with 'Tool_XXXX,' where 'XXXX' represents the unique ID number of each memory module.

4. After connecting to the tool, open a browser and enter the URL 192.168.4.1. The page will display as shown in the figure that follows. Enter “admin” for both the Username and Password, then click Login to proceed.



The screenshot shows a web interface with a blue header bar. Below the header, the word "Login" is displayed in blue. There are two input fields: "Username:" and "Password:". To the right of these fields is a button labeled "Login".

5. Once logged in, the page will appear as shown in the following figure. In the “Time Synchronization” section, click on the Apply button to synchronize the local time with the memory module.



The screenshot shows a web interface with a blue header bar. Below the header, there are three tabs: "Advanced", "Status", and "About". The "Advanced" tab is selected. The page contains several sections: "Firmware Upgrade" with an "Image Bin:" label and a button "Upload and Reboot"; "Change Username Setting" with a "New Username:" input field; "Change Password Setting" with "Old Password:", "New Password:", and "Confirm Password:" input fields; "Time Synchronization" with an "Apply" button; "Format Data Flash" with an "Apply" button; and "Reset to Default" with an "Apply" button. A red box highlights the "Time Synchronization" section, and a red arrow points to the "Apply" button in this section.



The screenshot shows a close-up of the "Time Synchronization" section. It displays the current time "2024/4/17-9:44:11" and an "Apply" button.

6. The Format Data Flash section allows you to delete the data records.

Advanced

Status

About

Logout

Firmware Upgrade

Image Bin:

選擇檔案未選擇任何檔案

Upload and Reboot

Change Username Setting

New Username:

Change Password Setting

Old Password:

New Password:

Confirm Password:

Apply

Time Synchronization

Apply

Format Data Flash

Apply

Reset to Default

Apply

If needed, click Apply and a dialog box will pop out as follows. Confirm to delete all data records and reboot. To proceed with further settings, you need to re-enter this page.

192.168.4.1 顯示

Data Flash format & Reboot

確定

Confirm to delete all data records and reboot.

7. The Reset to Default section allows you to reset the data serial numbers.

Advanced

Status

About

Logout

Firmware Upgrade

Image Bin:

選擇檔案未選擇任何檔案

Upload and Reboot

Change Username Setting

New Username:

Change Password Setting

Old Password:

New Password:

Confirm Password:

Apply

Time Synchronization

Apply

Format Data Flash

Apply

Reset to Default

Apply

If needed, click Apply and a dialog box will pop out as below. Confirm to reset the data serial numbers. After finished, close the browser.

192.168.4.1 顯示

Set Ok

確定

Confirm to reset data serial numbers

8. After completing these adjustments, put the short-circuit connector cover back, then tighten the back cover of tool.

3.11 Data Collection

Use a USB flash drive to download the tightening data stored in the tool.

[Note: Use the full charged battery to ensure this function is operated properly.]



1. Slide down the cover at the bottom of handle and find the Micro-USB port.



2. Install the battery on the tool, then connect the USB flash drive and read the tool data.

It is recommended to use a USB flash drive with a light indicator. It will flash when reading data, and will stay on or turn off after the reading is complete, making it easy to know when it is finished.

3. After the data reading is completed, insert the USB flash drive into the computer and a new folder named TOOL will be seen.

名稱	修改日期	類型
 TOOL	2024/5/2 下午 04:54	檔案資料夾
 新增資料夾	2024/5/3 上午 09:16	檔案資料夾

4. Open the TOOL folder. You will see .CSV file created based on the date, which can be opened in Excel format.

名稱	修改日期	類型
 20240430.CSV	2024/5/3 上午 09:29	Microsoft Excel 逗...

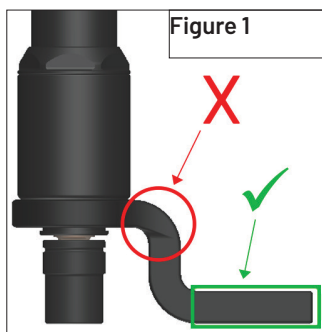
5. The following data categories will be shown:

K1	A	B	C	D	E	F	G	H	I	J	K
1	Head	Bolt NO.	Date	Status	Direction	Torque Ste	Batch CN	Bolt CNT	Target Tor	Unit	CRC
2	Z	1	20240430-17:02:01	NG	CW	50	1	1	250 Nm	DE	
3	Z	2	20240430-17:02:05	NG	CW	50	1	1	250 Nm	DE	
4	Z	3	20240430-17:02:08	NG	CW	50	1	1	250 Nm	DE	
5											

Head	Invalid data (please ignore)
Bolt NO.	Total bolts count
Date	Date and time when this bolt was tightened
Status	Tightening result
Direction	Tightening direction
Torque Step	The Stage used for tightening
Batch CNT	The bolt count of the batch
Bolt CNT	The batch count
Target Torque	The torque of the set stage
Unit	Unit of torque
CRC	Invalid data (please ignore)

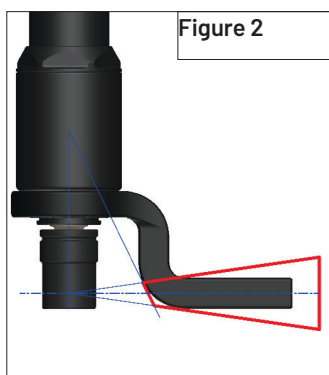
4. TORQUE REACTION

The reaction bar ensures all reaction forces are contained, so the torque reaction is not passed back to the operator.



It is essential that the reaction bar rests squarely against a solid object or surface near the fastener to be tightened. React on the end of the reaction bar, circled in Green on Figure 1, using the maximum area possible.

DO NOT react on the red circled area on figure 1.

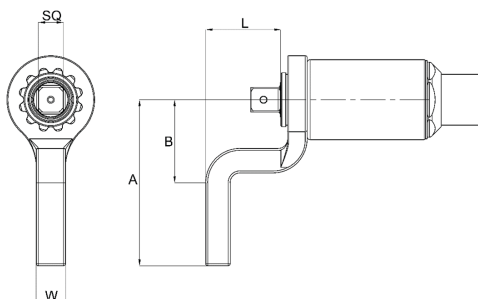


The ideal reaction arrangement has the center of the reaction bar and the center of the nut on a perpendicular line to the center line of the tool as shown in Figure 2.

The supplied reaction bar has been designed to give an ideal reaction point when used with a standard length socket.














To allow for a small difference in socket length, the reaction bar may contact any point within the red area shown on Figure 2.

Steel Reaction Bar (included with tool)



Model No.	L		A		B		W		Sq. Dr.	Weight		Used with Tool Model
	mm	in	mm	in	mm	in	mm	in		kg	lb	
SPCC-250RB	36	1.4	90	3.5	55	2.2	20	0.8	1/2"	0.34	0.75	SPCC-P25050
SPCC-550RB	50	2	130	5.1	70	2.8	25	1	3/4"	0.55	1.2	SPCC-P55075
SPCC-900-1200RB	54	2.1	145	5.7	75	3	25	1	3/4"	0.91	2	SPCC-P90075 / SPCC-P120075
SPCC-1500-2500RB	70	2.8	170	6.7	80	3.1	30	1.2	1"	1.62	3.6	SPCC-P15001 / SPCC-P25001
SPCC-4000RB	90	3.5	177	7	87	3.4	30	1.2	1"	2.45	5.39	SPCC-P40001

5. STATUS LEDS AND BEEPER

	LEDs and Beeps	Tool Status	Actions/Solutions
	Red, Yellow, and Green light simultaneously for one second  Long beep for one second	Motor is switched on	None
	Red light for one second  Long beep for one second	Preset torque is not reached (NOK)	Run the tightening again
	Green light	Preset torque is reached and the tightening is OK	None
	Yellow light blinks five times  Five short beeps	Battery power is low	Replace depleted battery with a fully charged battery
	Yellow light remains lit for five seconds  Long beep for five seconds	Battery power is depleted. The tool stops immediately	Replace depleted battery with a fully charged battery
	Blue light	Tool is in reverse operation	None
	Red light blinks two times	Over temperature	Remove the battery, let the tool cool down, then re-attach the battery. The tool can work properly again
	Red light blinks three times	Motor failure	Contact the local service center
	Red light blinks four times	Connector wire failure	Contact the local service center

6. TOOL SPECIFICATIONS

	MODEL SPCC-P25050 (DL)	MODEL SPCC-P55075 (DL)	MODEL SPCC-P90075 (DL)
Voltage	36 VDC	36 VDC	36 VDC
Drive Size	1/2" Sq. Dr. / 12.7 mm	3/4" Sq. Dr. / 19 mm	3/4" Sq. Dr. / 19 mm
Screw Size	M12 – M18	M14 – M24	M16 – M27
Torque Range	50 – 250 Nm 37 – 184 ft-lb	110 – 550 Nm 81 – 406 ft-lb	180 – 900 Nm 133 – 664 ft-lb
Free Speed	75 – 700 rpm	33 – 170 rpm	15 – 88 rpm
Weight w/o Battery	2.9 kg (6.4 lb)	3.5 kg (7.7 lb)	4.1 kg (9 lb)
Battery Type (Li-Ion)	2.5Ah 5.0Ah	2.5Ah 5.0Ah	2.5Ah 5.0Ah
Noise Level dB(A)	< 80	< 80	< 80

	MODEL SPCC-P120075 (DL)	MODEL SPCC-P15001 (DL)	MODEL SPCC-P25001 (DL)
Voltage	36 VDC	36 VDC	36 VDC
Drive Size	3/4" Sq. Dr. / 19 mm	1" Sq. Dr. / 25.4 mm	1" Sq. Dr. / 25.4 mm
Screw Size	M18 – M30	M20 – M36	M22 – M42
Torque Range	240 – 1,200 Nm 177 – 885 ft-lb	300 – 1,500 Nm 221 – 1,106	500 – 2,500 Nm 369 – 1,844 ft-lb
Free Speed	15 – 88 rpm	9 – 45 rpm	5 – 45 rpm
Weight w/o Battery	5 kg (11 lb)	6.2 kg (13.7 lb)	6.6 kg (14.6 lb)
Battery Type (Li-Ion)	2.5Ah 5.0Ah	2.5Ah 5.0Ah	2.5Ah 5.0Ah
Noise Level dB(A)	< 80	< 80	< 80

	MODEL SPCC-P40001 (DL)
Voltage	36 VDC
Drive Size	1" Sq. Dr. / 25.4 mm
Screw Size	M27 – M45
Torque Range	800 – 4,000 Nm 590 – 2,950 ft-lb
Free Speed	4.2 – 25 rpm
Weight w/o Battery	8.2 kg (18 lb)
Battery Type (Li-Ion)	2.5Ah 5.0Ah
Noise Level dB(A)	< 80

NOISE AND VIBRATION LEVEL DECLARATION (Max. value)

Model	NOISE Sound pressure level (No load) Uncertainty K : 3dB	VIBRATION Vibration total value (No load) Uncertainty K : 1.5 m/s ²
SPCC-P25050	L_{PA} : 79.7 dB	Front handle A_h : 0.521 m/s ² Rear handle A_h : 0.910 m/s ²
SPCC-P25001	L_{PA} : 82.1 dB L_{WA} : 90.1 dB	Front handle A_h : 0.551 m/s ² Rear handle A_h : 1.008 m/s ²

* The test was carried out in accordance with EN 62841-1 and EN62841-2-2.

The declared noise levels and vibration total value have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared noise levels and vibration total value may also be used in a preliminary assessment of exposure.

WARNING:

- The noise and vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- Base the estimation of exposure under actual conditions of use, then use this to identify safety measures to protect the operator. In addition to the trigger time, take into account all parts of the operating cycle, such as the times when the tool is switched off and when it is running idle.

7. CHARGING THE BATTERY PACK

Li-ion Battery Pack

- Batteries should be charged in ambient temperatures between 2° C (35.6° F) and 45° C (113° F). Charging outside this range will result in either less than full charge or damage to the battery pack.
 - Before charging a cool battery pack [below 2° C (35.6° F)] in a warm place, allow the battery one hour to warm to ambient temperature. Otherwise the battery pack may not fully charge.
 - Allow the charger to cool when charging more than two battery packs consecutively.
 - Do not insert fingers/nails into contact area of charger when holding charger or at any other time.
1. Place charger in a relatively cool and well-ventilated area.
 2. Plug charger into the AC outlet. CAUTION: Ensure that the power source to be utilized conforms to the power requirement specified on the product nameplate.
 3. Turn the battery upside-down and slide the battery into the charger while keeping the alignment marks line up. Slide the battery pack forward in the direction of the arrow. Do not force the battery: It should slide easily into place with nominal force. Any difficulty doing so indicates incorrect alignment.
















4. If the power lamp (red) does not light immediately or goes out soon after the charger is plugged in, consult an authorized dealer.
5. During charging, the charging lamp (green) will start flashing. When charging is completed, an internal electronic switch will automatically be triggered to prevent overcharging.
 - Charging will not start if the battery pack is warm, for example, immediately after high duty cycle operation. The YELLOW standby lamp will flash until the battery temperature drops to where safe charging is possible.
6. If the temperature of the battery pack is 2° C (35.6° F) or less, charging takes longer to fully charge the battery pack than the standard charging time. At this low temperature, even when the battery is fully charged, it will have approximately 50% of the power of a fully charged battery at normal operation temperature.
7. Once the battery is fully charged, the green lamp will light up to indicate that it has entered trickle charge mode.

NOTES

- The battery pack is not fully charged at the time of purchase. Be sure to charge battery fully before first use.
- Remove the battery pack when the tool is not in use, to prevent damage and extend battery life.
- Recharge the battery pack according to the following schedule to maintain battery health.
 - 36V 2.5Ah-charge every 6 months
 - 36V 5.0Ah-charge every 3 months

8. BATTERY CHARGER LAMP INDICATIONS

		<p>Red Light</p> <p>Charger is plugged into the AC outlet. Ready to charge.</p>
		<p>Yellow Flashing Light</p> <ol style="list-style-type: none"> (1) When the temperature of the battery is too low ($<2^{\circ}\text{C}$ / (35.6°F)), it is in a trickle charge mode until the temperature of the battery reaches higher than 2°C (35.6°F). The lamp will change from Yellow Flashing to Green Flashing automatically and start to charge. If the lamp changes from Yellow Flashing to Yellow Lit, consult an authorized dealer. (2) When the temperature of the battery is too high ($>45^{\circ}\text{C}$ / 113°F), it is in a trickle charge mode until the temperature of the battery drops to under 45°C (113°F). The lamp will change from Yellow Flashing to Green Flashing automatically and start to charge. If the lamp changes from Yellow Flashing to Yellow Lit, consult an authorized dealer. (3) When the voltage of the battery is too low (below 25 voltage), it is in a trickle charge mode until the voltage of the battery reaches the standard value. The lamp will change from Yellow Flashing to Green Flashing automatically and start to charge. If the lamp changes from Yellow Flashing to Yellow Lit, consult an authorized dealer.
		<p>Yellow Light</p> <p>The battery and the charger are not connected. If the yellow light is still on after re-attaching the battery, consult an authorized dealer.</p>
		<p>Green Flashing Light</p> <p>Charging has begun.</p>
		<p>Green Flashing Light</p> <p>Battery is approximately 50% charged.</p>
		<p>Green Flashing Light</p> <p>Battery is approximately 80% charged.</p>
		<p>Green Light</p> <p>Charging is complete. (Fully charged.)</p>



CORPORATE HEADQUARTERS

10000 SE Pine Street
 Portland, Oregon 97216
 Phone: (503) 254-6600
 Toll Free: 1-800-852-1368

AIMCO CORPORATION DE MEXICO SA DE CV

Ave. Cristobal Colon 14529
 Chihuahua, Chihuahua. 31125
 Mexico
 Phone: (01-614) 380-1010
 Fax: (01-614) 380-1019

LIT-MAN259 Rev. 07-09-25
 ©2025 AIMCO