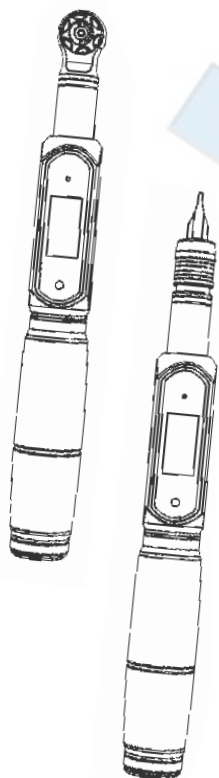
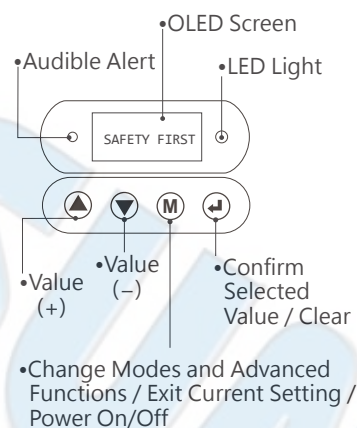


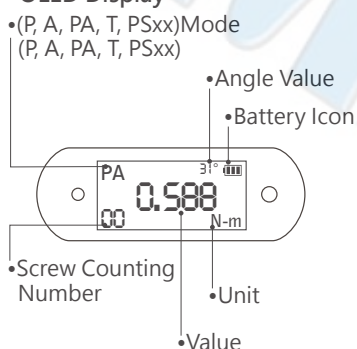
OLED Digital Torque Wrench/Screwdriver Manual



■Appearance and Buttons



■OLED Display



■Power on

1. Verify torque is not being applied to the wrench. Press **(M)** for 2 seconds, and the wrench will beep once.
2. The wrench will default to Peak Mode, and the last torque unit and last target torque setting will display.
3. The wrench is ready to use.

■Power off

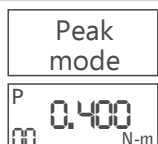
1. If no torque and operation are applied, the wrench will be automatically shut off after 90 seconds.
2. Verify no torque and operation are applied, press **(M)** for 3 seconds to shut off manually.

■How to Set Mode

1. There are 5 mode options:
 - Peak mode ("P" on display)
 - Angle mode ("A" on display)
 - Peak Angle mode ("PA" on display)
 - Track mode ("T" on display)
 - Preset mode ("PS01 ~ PS10" on display)
2. Power on the wrench as described in "Power on".
3. Press **(M)** to enter the mode option, and press **(▲)** or **(▼)** to scroll through the different modes.
4. Press **(M)** to select the new mode. The screen will show the last torque unit and last target torque setting for the mode selected.
5. Press **(M)** to exit out of the mode options.

■How to Set Target Torque in "Peak Mode"

1. Power on the wrench as described in "Power on".
2. Verify "P" is displayed in the top left corner of the screen. If not "P", select "Peak mode" from the mode option.
3. Press **(▲)** or **(▼)**, and the current target torque will flash on the screen.
4. Press **(▲)** or **(▼)** to select target torque. Press **(M)** and "Saved" will appear on the screen, or press **(M)** to cancel the adjustment.
5. The wrench is ready to use.



6. Apply torque and rotate the wrench at a constant moderate speed until alerted to stop by long beep sound, LED light on, and handle vibration.

※NOTE: (Handle vibration is not available for some models.)

7. After reaching the target torque, the display will flash for 15 seconds, and then default to the last setting. Or press **(M)** to return to the last setting.

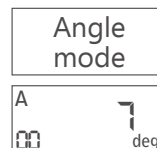
■How to Set Target Angle in "Angle Mode"

1. Power on the wrench as described in "Power on".
2. Verify "A" is displayed in the top left corner of the screen. If not "A", select "Angle mode" from the mode option.
3. The screen will show "0000". Still the wrench on a stable flat surface to calibrate, then will display the last target angle value.
4. Press **(▲)** or **(▼)**, and the current target angle will flash on the screen.
5. Press **(▲)** or **(▼)** to select the target angle. Press **(M)** and "Saved" will appear on the screen, or press **(M)** to cancel the adjustment.
6. The wrench is ready to use.
7. Apply torque and rotate the wrench at a constant moderate speed until alerted to stop by long beep sound, LED light on, and handle vibration.

※NOTE: (Handle vibration is not available for some models.)

8. After reaching the target angle, the display will flash for 15 seconds, and then default to the last setting. Or press **(M)** to return to the last setting.

9. To maintain optimum accuracy, the wrench should be rotated between 10 degrees/sec ~ 180 degrees/sec.



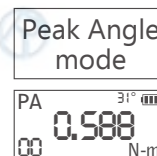
■How to Set Target Torque and Target Angle in "Peak Angle Mode"

1. Power on the wrench as described in "Power on".
2. Verify "PA" is displayed in the top left corner of the screen. If not "PA", select "Peak Angle mode" from the mode option.
3. The screen will show "0000". Still the wrench on a stable flat surface to calibrate, then will display the last target torque and target angle value.
4. Press **(▲)** or **(▼)**, and the current target torque will flash on the screen.
5. Press **(▲)** or **(▼)** to select the target torque, and press **(M)**. After selecting the target torque, press **(▲)** or **(▼)** to select the target angle. Press **(M)** and "Saved" will appear on the screen, or press **(M)** to cancel the adjustment.
6. The wrench is ready to use.
7. Apply torque and rotate the wrench at a constant moderate speed until alerted to stop by long beep sound, LED light on, and handle vibration.

※NOTE: (Handle vibration is not available for some models.)

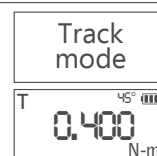
8. After reaching the target torque, the wrench will start recording angle measurement. After reaching the target angle, the display will flash for 15 seconds, and then default to the last setting. Or press **(M)** to return to the last setting.

9. To maintain optimum accuracy, the wrench should be rotated between 10 degrees/sec ~ 180 degrees/sec.



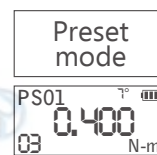
■How to Use Track Mode

1. Power on the wrench as described in "Power on".
2. Verify "T" is displayed in the top left corner of the screen. If not "T", select "Track mode" from the mode option.
3. The screen will show "0000". Still the wrench on a stable flat surface to calibrate, then will display "0" torque and "0" angle value.
4. The wrench is ready to use.
5. When applying torque and rotating the wrench at a constant moderate speed, the screen will show the instant torque value and angle value. Press **(M)** to zero all values at any time.



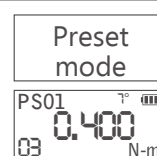
■How to Use Preset Mode

1. Power on the wrench as described in "Power on".
2. Select "Preset mode" as described in "How to Set Mode".
3. "PSxx" will start flashing in the top left corner of the screen (xx will be a number from 01 to 10). Press **(▲)** or **(▼)** to select the desired preset value, and press **(M)** to select it. The number of preset values can be selected is 10.
4. The wrench is ready to use.



■How to Change Preset Values in "Preset Mode"

1. Power on the wrench as described in "Power on".
2. Select "Preset mode" as described in "How to Set Mode".
3. "PSxx" will start flashing in the top left corner of the screen (xx will be a number from 01 to 10). Press **(▲)** or **(▼)** to select the desired preset value, and press **(M)** for 3 seconds and wrench will beep.



- The screen will first display "Modify preset xx" (xx will be a number from 01 to 10), then the screen will display "Set mode", and one of the modes, such as "Peak" or "Angle" or "Peak Angle", etc., will start flashing at the bottom of the screen. Press or to select the desired mode, and then press .
- When "Peak" is selected in "Set mode", the 1st step, the torque unit in the lower right corner of the screen will start flashing, press or to select the desired torque unit, and then press . 2nd step, the target torque in the middle of the screen starts flashing, press or to select target torque, and then press . 3rd step, the screw counting number in the lower left corner of the screen starts flashing, press or to select the screw counting number (the minimum value of the screw counting number is 01, and the maximum value is 99), and then press . "Saved" will appear on the screen. The new preset values are all saved. During the modifying process, press to cancel all the changes.
- When "Angle" is selected in "Set mode", the 1st step, the target angle in the middle of the screen starts flashing, press or to select target angle, and then press . 2nd step, the screw counting number in the lower left corner of the screen starts flashing, press or to select the screw counting number (the minimum value of the screw counting number is 01, and the maximum value is 99), and then press . "Saved" will appear on the screen. The new preset values are all saved. During the modifying process, press to cancel all the changes.
- When "Peak Angle" is selected in "Set mode", the 1st step, the torque unit in the lower right corner of the screen will start flashing, press or to select the desired torque unit, and then press . 2nd step, the target torque in the middle of the screen starts flashing, press or to select target torque, and then press . 3rd step, the target angle on the top of the screen starts flashing, press or to select target angle, and then press . 4th step, the screw counting number in the lower left corner of the screen starts flashing, press or to select the screw counting number (the minimum value of the screw counting number is 01, and the maximum value is 99), and then press . "Saved" will appear on the screen. The new preset values are all saved. During the modifying process, press to cancel all the changes.

■How to use Advanced Functions

- There are many advanced functions:
 - Recall records
 - Set unit
 - Torque adjustment
 - Angle adjustment
 - Display brightness
 - Head length (some models exclude this function)
- Power on the wrench as described in "Power on".
- Press to enter the mode option, and press or to select "Advanced functions".
- Press to enter the "Advanced functions". Press or to scroll through the different functions, then press to select the desired function.
- Press to exit out of the "Advanced functions" and return to mode options.

Advanced functions

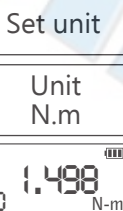
■How to Use Recall records

- Power on the wrench as described in "Power on".
- Select "Recall records" as described in "How to Use Advanced Functions".
- Press or to scroll through the different records. The maximum number of records is 100. Press to exit out of the "Recall records" and the screen will show the last selected mode.



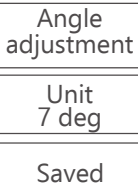
■How to Set Unit

- Power on the wrench as described in "Power on".
- Select "Set unit" as described in "How to Use Advanced Functions".
- Press or to scroll through the different torque units. There are 5 torque units: "N.m", "lbf.ft", "lbf.in", "kg.m", and "kgf.m". Press to select the desired torque unit, and the screen will show the last selected mode with selected torque unit, or press to exit out of the "Set unit" and the screen will show the last selected mode and torque unit.



■How to Set Torque Adjustment and Angle Adjustment

- Power on the wrench as described in "Power on".
- Select "Torque adjustment" or "Angle adjustment" as described in "How to Use Advanced Functions".
- In the "Torque adjustment" function, press or to select %, from 5% to 50%. Press to select the desired %, and the

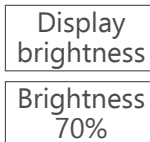


screen will show the last selected mode with % change, or press to exit out of the "Torque adjustment" and the screen will show the last selected mode without any change.

- In the "Angle adjustment" function, press or to select "deg", from 5 deg to 50 deg. Press to select the desired "deg", and the screen will show the last selected mode with "deg" change, or press to exit out of the "Angle adjustment" and the screen will show the last selected mode without any change.
- For example, at a setting of 15%, the wrench will start to alarm at 15% of the target torque value; at a setting of 5 deg, the wrench will start to alarm at 5 degrees before the target angle value.

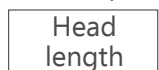
■How to Change Display Brightness

- Power on the wrench as described in "Power on".
- Select "Display brightness" as described in "How to Use Advanced Functions".
- In the "Display brightness" function, press or to select %, from 10% to 100%. Press to select the desired %, and the screen will show the last selected mode with display brightness change. Or press to exit out of the "Display brightness".



■How to Use "Head Length" (some models exclude this function)

- Power on the wrench as described in "Power on".
 - Select "Head length" as described in "How to Use Advanced Functions".
 - Press or to select the length sizes. There are 2 length units: "mm" and "inch". Press to select the desired length unit, and then press or to select the head length from "-15.0 mm" to "+15.0mm" or "-0.590 inch" to "+0.590 inch". "+" means extension; "-" means reduction. Press to confirm the length and screen will show the last selected mode with the "Wrench Head Symbol" on the top of the screen. During the modifying process, press to cancel all the changes and the screen will show the last selected mode.
- ※NOTE: Remove the "Wrench Head Symbol" by selecting "Head length" as "0".



■How to Use "Screw Counting"

- In Peak Mode, Angle Mode, and Peak Angle Mode, each time the target value is reached, the screw counting number in the lower left corner will be increased by 1, indicating the cumulative number of screw counting.
- In Track Mode, the screw counting number cannot be recorded.
- Screw counting number can be changed in "Preset mode". When applying the torque or angle in Preset mode, and each time reaching the target value, the screw counting number will decrease by 1. When the screw counting number shows "00", the screen will show "Cycle done" and flash, indicating that the cycle is complete. Press to return to the last setting.

■Low Batteries

- When the battery icon in the top right corner of the screen shows , the torque wrench is still working, but the batteries will need to be replaced soon.
- When the battery icon in the top right corner of the screen shows , the torque wrench is not working properly. Replace the batteries immediately.

■Changing Batteries

- Use 2 AAA (Alkaline) batteries for the torque screwdriver and 1/4" Dr. torque wrench only. Use 2 AA (Alkaline) batteries for 3/8", 1/2", 3/4" and 1" Dr. torque wrench only.
- Unscrew end cap, remove exhausted batteries, and wait for 30 seconds before inserting new batteries.
- After 30 seconds, insert 2 (Alkaline) batteries.
- Replace end cap



※NOTE: Always remove batteries when the torque wrench is not used for a long period of time.

■Maximum Capacity Exceeded

- When the applied torque exceeds the wrench full-scale capacity, the LED light will become red and screen will show "Over loading!" with a long beep sound. The wrench will automatically shut off soon.
- Verify the calibration of the wrench when the capacity has been exceeded.

▲WARNING

- Never use the torque wrench with the power off. Always turn on the torque wrench so the applied torque is measured.
- Do not press any key while torque is being applied.
- Do not use the torque wrench to loosen fasteners.
- Verify the calibration of the wrench if you know or suspect its capacity has been exceeded.
- Periodic recalibration is required to maintain accuracy.
- Never apply more torque than the maximum wrench capacity or the maximum fastener specifications.
- Do not immerse in fluids.
- Do not use on live electrical circuits.
- Electrical shock can cause injury. Handle is NOT insulated.