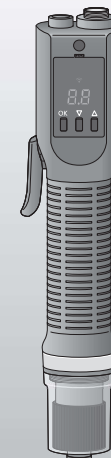


Panasonic®

Operating Instructions

Electric Screwdriver

Model No.: EYADA Series
Model No. WA
Model No. WB



IMPORTANT

Read and follow the safety and operating instructions before using this product.
Do not use the wireless function outside the country where you purchased the product.
Doing so may violate the local laws and regulations.

Original instructions: English
Translation of the original instructions:
Other languages

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EN

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SAFETY PRECAUTIONS

SAFETY

PRECAUTIONS GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Save all warnings and instructions for future reference.

1) Work Area Safety

- a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) Electrical Safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.**
Unmodified plugs and matching outlets will reduce risk of electric shock.

- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.**
There is an increased risk of electric shock if your body is earthed or grounded.

- c) **Do not expose power tools to rain or wet conditions.**

Water entering a power tool will increase the risk of electric shock.

- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.**

Damaged or entangled cords increase the risk of electric shock.

- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.**

Use of a cord suitable for outdoor use reduces the risk of electric shock.

- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**

Use of an RCD reduces the risk of electric shock.

3) Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.**

A moment of inattention while operating power tools may result in serious personal injury.

- b) **Use personal protective equipment. Always wear eye protection.**

Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.**

Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- d) **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.

- e) **Do not overreach. Keep proper footing and balance at all times.**

This enables better control of the power tool in unexpected situations.

- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.**

Loose clothes, jewelry or long hair can be caught in moving parts.

- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**

Use of dust collection can reduce dust-related hazards.

- h) **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.

4) Power Tool Use and Care

- a) **Do not force the power tool. Use the correct power tool for your application.**

The correct power tool will do the job better and safer at the rate for which it was designed.

- b) **Do not use the power tool if the switch does not turn it on and off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.**

Such preventive safety measures reduce the risk of starting the power tool accidentally.

- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**

Power tools are dangerous in the hands of untrained users.

- e) **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.

- f) **Keep cutting tools sharp and clean.**
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- g) **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.

- h) **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.

5) **Battery Tool Use and Care**

- a) **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.

- b) **Use power tools only with specifically designated battery packs.**

Use of any other battery packs may create a risk of injury and fire.

- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.**

Shorting the battery terminals together may cause burns or a fire.

- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.**

Liquid ejected from the battery may cause irritation or burns.

- e) **Do not use a battery pack or tool that is damaged or modified.**

Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

- f) **Do not expose a battery pack or tool to fire or excessive temperature.**

Exposure to fire or temperature above 130 °C may cause explosion.

- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.**

Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) **Service**

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.**

This will ensure that the safety of power tool is maintained.

- b) **Never service damaged battery packs.**

Service of battery packs should only be performed by the manufacturer or authorized service providers.

Screwdrivers/impact wrenches safety warnings

Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.

Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

SAFETY PRECAUTIONS Always adhere to the instructions

Below are the instructions you should always adhere to, to prevent human harm and property damage.

■ The severity of harm and damage caused by incorrect use is presented with the following.

 WARNING	May cause death or serious injury.
 CAUTION	May cause minor injury or property damage.

■ The content that should be observed is presented with the following symbols. (The following are examples)

	You MUST NOT do the action.
	You MUST do the action.

 WARNING	
 Mandatory	● Perform daily management of torque. Failure to observe this may cause loose screws due to torque fluctuations, resulting in an accident.
	● When interrupting work or when not using the tool, ensure that it is not operating.
	● When replacing a bit or accessories, or when storing the tool, always set the forward/reverse lever to the trigger switch lock position, and disconnect the power cord. Failure to observe this may cause unexpected operation, resulting in an accident.
	● Hold the tool securely to avoid being swung around during use. Failure to observe this may cause injury.
	● Wear ear protectors such as earplugs or earmuffs in noisy work environments. Failure to observe this may adversely affect hearing.
	● Use protective glasses during work. Failure to observe this may cause injury to the eyes or throat.
	● Insert the power plug all the way seated. Incomplete insertion may cause electric shock or heat generation resulting in fire. Do not use a damaged plug or loose socket.

 WARNING	
 Mandatory	● Clean dust off the power plug routinely. Accumulated dust on the plug may absorb moisture and cause poor insulation resulting in fire. Disconnect the power plug and wipe it with dry cloth.
	● Use the specified accessories and attachments. Failure to observe this may cause injury.
	● Keep the workplace sufficiently bright. Poor visibility in a dark workplace may lead to an accident or injury.
	● Fix the workpiece firmly. Failure to observe this may cause unexpected movement, resulting in injury. For safety, use clamps or vices for fixing it.
	● If the tool malfunctions or makes abnormal noises during use, immediately turn off the trigger switch and stop using it. Consult your dealer or Panasonic Customer Support Centre. Using it as is may result in injury.
	● Following the Operating Instructions, attach a bit or other pointed tools, and accessories securely. Failure to securely attach them may cause detachment, resulting in injury.
	● Before use, remove a key, wrench, and other tools used for adjustment. Failure to observe this may cause unexpected detachment, resulting in injury.
	● Work in proper attire. • Do not wear baggy clothing or accessories such as a necklace, because they may get caught in rotating parts. • When working outdoors, you are recommended to use footwear with non-slip soles. • Cover long hair with a cap or a hair cover.
	● When working at heights, thoroughly check that there are no people below and use wires or others to prevent the tool from falling. Otherwise someone may be injured if the tool falls.
	● Use only the screwdriver cord, power adapter, and power cord designed specifically for our screwdrivers. Failure to observe this may cause an accident or injury.

BEFORE USE

SAFETY PRECAUTIONS Always adhere to the instructions

⚠ WARNING



Prohibited

- **Do not use a socket or wiring device in the manner of exceeding the rated value. Use only within electrical rated range.**
Exceeding the rated value due to an overloaded socket may cause heat generation resulting in fire.
- **Do not damage the screwdriver cord, power cord, or power plug. (Avoid damaging, breaking, modifying, putting close to a heat source, bending with force, twisting, pulling, putting a heavy load on it, pinching, or binding.)**
Using the damaged cord or plug may result in electric shock, short circuit, or fire.
Check the cord and plug periodically and if any damage, consult your dealer.
- **When smoke is emitted from the tool, do not inhale the smoke.**
It may be harmful to your body.
- **Immediately after work, do not touch a bit or other pointed tools, screws, or chips.**
They are hot and may cause burns.
- **Do not use the tool for any other purpose than intended.**
Failure to observe this may cause injury.
- **Do not use the tool with oil or other foreign material attached to it.**
Otherwise an accident may occur if the tool falls.
Also, such oil or other foreign material may enter the inside, resulting in generation of heat, fire, or burst.
- **While using a bit or other rotating parts, keep your body or a part of your body away from the rotating parts or chips.**
You may be injured when an unexpectedly detached or damaged bit or chips hit you. Replace a bit or other pointed tools periodically.
- **Do not use the screwdriver cord, power adapter, or power cord designed specifically for our screwdrivers to operate other devices.**
Failure to observe this may cause an accident or injury.
- **Do not use the tool in an environment where asbestos exists nearby (including an environment where asbestos is being removed).**
Doing so may adversely affect health.
Great care should be given to asbestos, because this substance causes lung cancer or other serious health damage.

⚠ WARNING



Prohibited



No touching



No disassembly



Keep dry



No wet hand

- **Disconnect the power plug between uses.**
Failure to observe this may cause poor insulation resulting in electric shock or fire from electric leakage.
- **If it is thundering, do not touch this unit or the power plug.**
Failure to observe this may result in electric shock.
- **Do not modify the tool. Do not disassemble or repair the tool.**
Doing so may cause fire, electric shock, or injury.
For repair, consult your dealer or our customer support team.
- Avoid the following use of tools.**
 - **Do not use or leave them exposed to rain or moisture.**
 - **Do not use them immersed under water.**
Failure to observe this may cause smoke, fire, or burst.
- **Do not use a wet hand to connect or disconnect the power plug to or from the outlet.**
Failure to observe this may cause electric shock.

BEFORE USE

SAFETY PRECAUTIONS Always adhere to the instructions

 CAUTION	
 Mandatory	● If the tool becomes hot, interrupt the work and wait for it to cool down before use. Failure to observe this may cause burns.
	● To disconnect the power plug, always hold the power plug without pulling the cord. Pulling the cord may cause electric shock or short circuit.
	● Before use, check the tool, pointed tool, and other parts for any damage and confirm their normal operation. Failure to observe this may cause damage, resulting in injury.
	● Keep the workplace clean. A disordered workplace or work table may lead to an accident.
	● Consider well how to handle and work, pay attention to the surrounding environment, and use common sense during work. Failure to observe this may cause an accident or injury.
 Prohibited	● When installing the power adapter on a wall, securely screw it to prevent it from falling. Otherwise, the power adapter may fall, injuring someone.
	● Do not put the tool in a place accessible by a child. Failure to observe this may cause an accident or trouble.
	● Do not store the main body in a place where the temperature may rise to 50 °C or higher. Failure to observe this may lead to abnormal operation.
	● Do not use the tool in such a forceful manner that causes the motor to lock. Failure to observe this may cause smoke or fire. In order to work safely and efficiently, work at a speed that matches the ability.

 CAUTION	
 Prohibited	● Do not work in an unusual position. Otherwise you may fall over and be injured. Always stand on a stable footing and keep a good balance.
	● Do not use the tool when you are tired. Failure to observe this may cause an accident or injury.
	● Do not allow a child or any other person who is not an operator to come near the workplace or touch the tool. Doing so may cause injury.
	● Do not hold only the cord to carry the tool. Doing so may cause the tool to fall, resulting in injury.

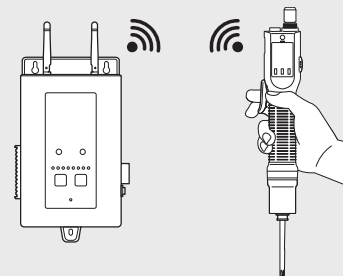
BEFORE USE

FEATURES OF PRODUCT

This unit is a compact and easy-to-grip Electric Screwdriver equipped with a brushless motor.

It handles well and is very easy to maintain because there is no need to replace a brush, thereby providing a comfortable working experience.

* Connecting tools to the controller allows collective setting of functions.
(Be sure to connect them to the controller before starting collective setting)



■ To prevent leaving screws unfastened P. 40

Set the number of screws to fasten.

■ To check the fastening status P. 26

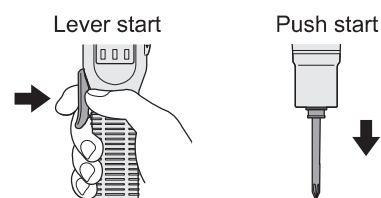
Set the detection lamp.

■ To perform fastening quality judgement P. 33 to 36

Set the upper and lower limits of parameters.

■ To select lever start or push start P. 21

Set the start mode.



■ To prevent tool mix-ups

Set the order of using tools.

* Refer to "SETTING THE FASTENING CONTROL MODE" in the Operating Instructions of the controller (EYARW1).

■ To check or save the fastening data

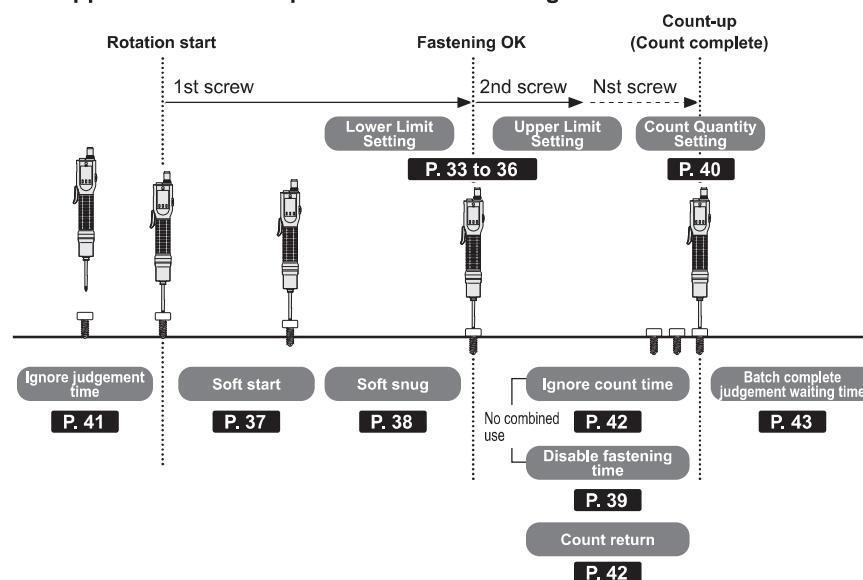
Check the fastening history data via a web browser on a PC.

Use the separately sold Controller Management Software to automate collection of the fastening history data and conduct simple data analysis.

■ To check or save the fastening torque values P. 33

Save the converted torque. You need to set an offset. (Model No. WA only)

■ Support functions helpful for screw fastening



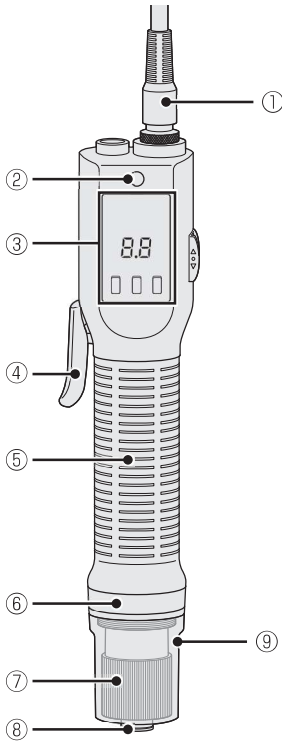
BEFORE USE

Task	Support function	Reference page
Ignore unexpected momentary rotations when performing judgement.	Ignore judgement time	41
Slow the rotation rate at the start (to prevent galling, etc.).	Soft start	37
Slow the rotation rate before snug (to minimise an impact, etc.).	Soft snug	38
Prevent counting refastenings (during a specific period).	Ignore count time	42
Prevent refastenings (during a specific period).	Disable fastening time	39
Set how to count reverse rotations.	Count return	42
Set how reverse rotations should be treated after the last screw is fastened.	Batch complete judgement waiting time	43

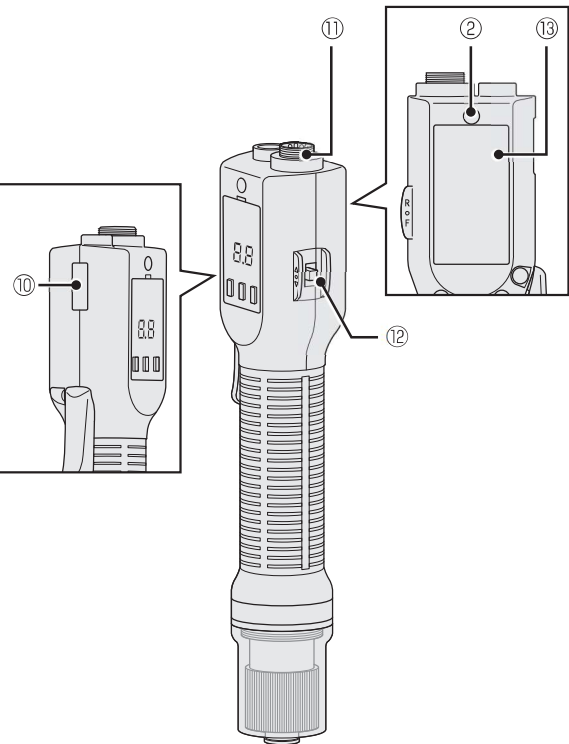
NAMES OF PARTS

Tool

Front View



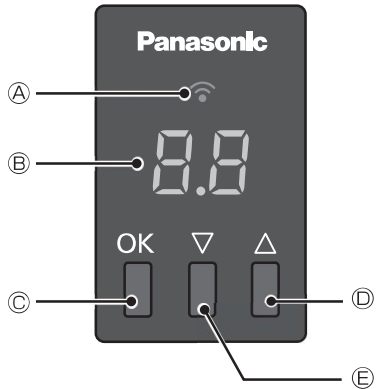
Side View



①	Screwdriver cord
②	Screwdriver hanger mounting hole
③	Operation panel
④	Lever trigger switch
⑤	Grip
⑥	Detection lamp
⑦	Clutch handle

⑧	Bit holder (for hex shaft, 6.35 mm)
⑨	Clutch cover
⑩	Serial plate
⑪	Screwdriver cord connector
⑫	Forward/Reverse lever
⑬	Rating, warning, and caution indications

Operation panel



Ⓐ	Communication lamp
Ⓑ	Display
Ⓒ	OK button

Ⓓ	▲ button
Ⓔ	▼ button

BEFORE USE

NAMES OF PARTS (cont.)

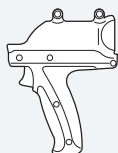
Accessories (No bit is supplied.)

■ 2 m Screwdriver Cord



■ Grip Attachment

* Supplied for EYADA407WA·WB only



■ Screwdriver Hanger

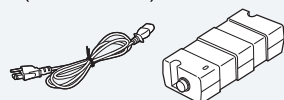


■ Clutch Cover



Separately sold items

■ Power Adapter (EYSZP001)



Power Cord
1 m

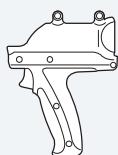
■ 2 m Screwdriver Cord (EYSXC120)

■ 3 m Screwdriver Cord (EYSXC130)



■ Grip Attachment (EYSXA102)

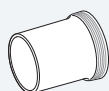
* For information about the components, see **P. 19**



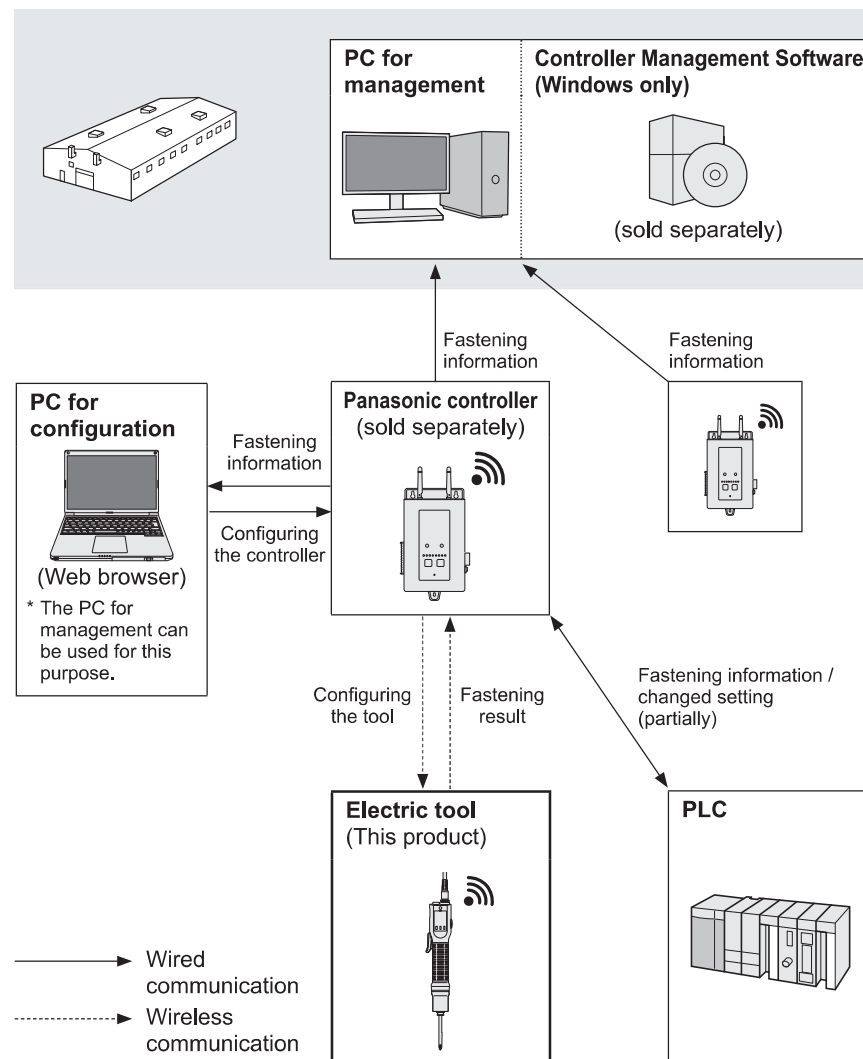
■ Screwdriver Hanger (EYSXA100)



■ Clutch Cover (EYSXA101)



SYSTEM CONFIGURATION



BEFORE USE

* Use the system within your local network (with no Internet connection).

* Be sure to check the IP address setting for network of the controller before starting use. (Change the default if necessary)

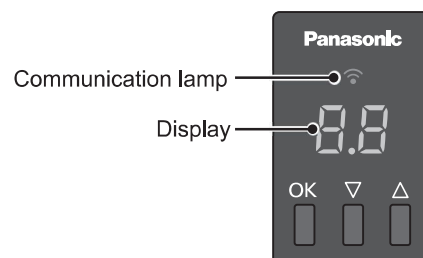
RUNNING MODE

This tool runs in one of the modes below.

The current mode is shown by the communication lamp and in the display on the control panel.

To enable all functions, pair the tool with the controller and use it in the “Wireless Communication Mode”.

To switch the running mode, refer to “**b9** Running Mode Switching Setting”. **P. 55**



Stand Alone Mode * Initial setting

The tool is not connected to the controller in this mode.

Communication lamp	Display	Details
Off	5A	Allows screw fastening with clutch. The history is not saved.

Pairing Mode

The tool is ready to connect to the controller in this mode. **P. 28**

Communication lamp	Details
Blinking rapidly (0.2 s cycle)	Pairing is in progress.
Solid on	Pairing has been completed and the tool is connected to the controller.
Blinking slowly (1 s cycle)	The tool is retrying to connect and waiting for a wireless signal.

Wireless Communication Mode

The tool is connected to the controller in this mode.

Communication lamp	Display	Details
Solid on		Operation is prohibited. (in the sequence mode without parameters set) In this state, the tool does not start operation. * Refer to “SETTING THE FASTENING CONTROL MODE” in the Operating Instructions of the controller (EYARW1).
Solid on		Counting is in progress. The number of remaining screws to be fastened or the number of fastened screws is shown on the display.
Solid on		The unit is running in the Free mode that does not manage the quantity to fasten.
Solid on		An overcurrent warning, component failure, or out-of-wireless coverage warning occurred. A code of E with a number is shown in the display. P. 60
Solid on		The tool stopped without clutch activated or did not satisfy the fastening quality judgement conditions. A code of F with a number is shown in the display. P. 63

BEFORE USE

1

Checking the operation

P. 17 to 27

After purchasing the unit, check the operation in the "Stand Alone Mode" as described in pages 17 (PREPARATION BEFORE USE) to 27 (HOW TO USE) before connecting it to the controller.

2

Pairing the tool

P. 28 to 30

After checking the operation, pair the tool by following the Operating Instructions of the controller and make basic settings about the controller to enable use in the "Wireless Communication Mode".

* The mode can be switched between the "Stand Alone Mode" and "Wireless Communication Mode" depending on the work site.

3

Setting via a web browser

P. 31 to 49

Information about parameters and history data specific to this tool is described in these Operating Instructions since the controller supports other types of tools as well. Refer to these instructions together with the Operating Instructions of the controller when making settings.

4

Setting on the tool

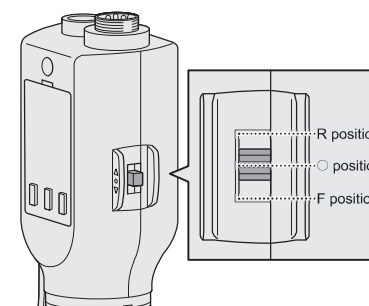
P. 50 to 55

Some functions can be set on this tool while many functions are usually set on the controller. Make settings on this tool if necessary.

Using Forward/Reverse Lever

With the forward/reverse lever, you can change the rotation direction of the Electric Screwdriver or lock the start.

Trigger switch position	Rotation direction
R	Reverse (Anticlockwise)
○	Trigger switch locked
F	Forward (Clockwise)



Trigger switch lock

When you switch the forward/reverse lever to the "○" position, the start of the Electric Screwdriver is locked and it does not rotate.

When attaching accessories or a bit, or when not working, switch the forward/reverse lever to the "○" position to lock the trigger switch.

NOTE

- If the forward/reverse lever is switched while the motor is in action, the motor is forcibly stopped to rotate.

Attaching Screwdriver Hanger

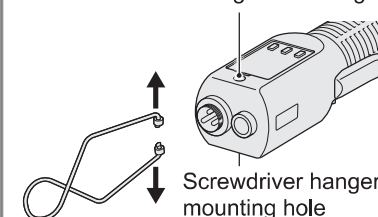
1 Pull the screwdriver hanger lightly on both sides.

Pulling the screwdriver hanger hard may prevent it from returning to its original position.

Perform attachment and removal with necessary force.

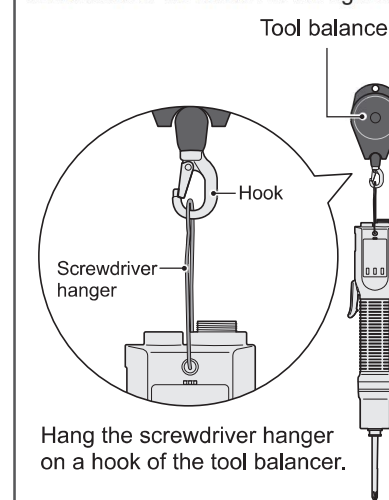
2 Put it into the screwdriver hanger mounting hole.

Screwdriver hanger mounting hole



Pull the screwdriver hanger lightly on both sides.

Attach the screwdriver hanger and the tool balancer as shown in the figure.



Hang the screwdriver hanger on a hook of the tool balancer.

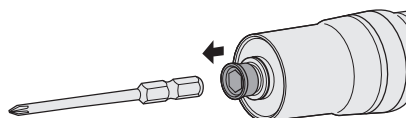
PREPARATION BEFORE USE (cont.)

Attaching Bit

ATTENTION

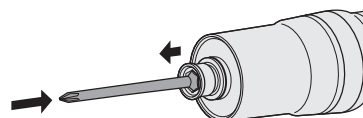
- When attaching or removing a bit, set the forward/reverse lever to the “○ (Trigger switch locked)” position, and turn OFF the power switch of the power adapter. **P. 17, 20**

1 Pull the bit holder.



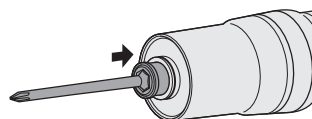
2 Insert a bit.

Insert it with the bit holder pulled.

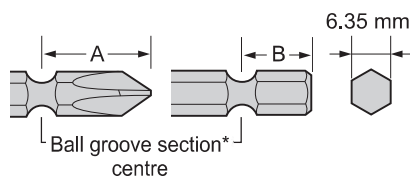


3 Release the bit holder.

Check that the bit does not come off, by pulling it lightly.



Bits That Can Be Attached to This Unit



* Straight bits without a ball groove section cannot be used.

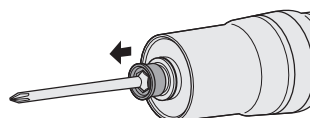
Length of A (Double-ended bit)	12 mm to 17.5 mm
Length of B (Single-ended bit)	9 mm to 13 mm

Removing Bit

ATTENTION

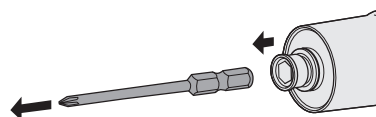
- Immediately after work, do not touch a bit or other pointed tools, or screws. They are hot and may cause burns.

1 Pull the bit holder.



2 Remove the bit.

Pull it out with the bit holder pulled.



Attaching Grip Attachment

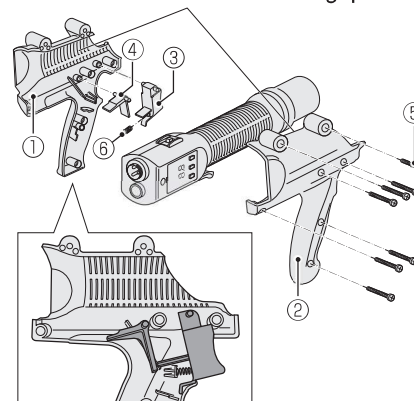
The grip attachment can be attached to all models.

(Supplied for EYADA407WA-WB only)

It can absorb the reactive force during clutch activation, which helps reduce fatigue.

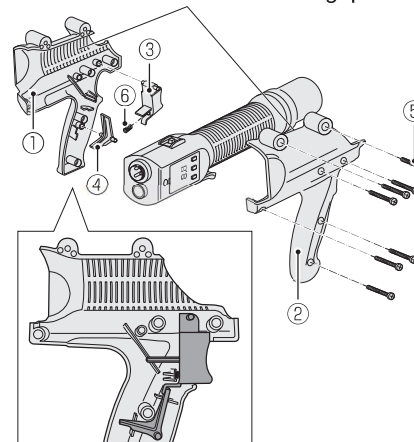
Use in lever start mode

Align grooves in the grip attachment with ribs on the grip.



Use in push start mode

Align grooves in the grip attachment with ribs on the grip.



Components of the attachment

①	Grip attachment (A) × 1
②	Grip attachment (B) × 1
③	Trigger × 1
④	Joint × 1
⑤	Screw × 7
⑥	Spring × 1

ATTENTION

- When attaching or removing the grip attachment, set the forward/reverse lever to the “○ (Trigger switch locked)” position, and turn OFF the power switch of the power adapter. **P. 17, 20**
- Remove the bit before attaching or removing the grip attachment.
- After fixing the grip attachment with screws, check for any loose screws, backlash, or misalignment.

1 Align grooves in the grip attachment (A) with ribs on the tool grip.

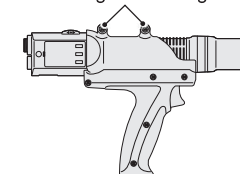
2 Attach the trigger and the joint to the positions shown in the figure.

3 Align grooves in the grip attachment (B) with ribs on the tool grip.

4 Fasten the screws.

Check for any loose screws, backlash, or misalignment.

Screwdriver hanger mounting hole (x 2)



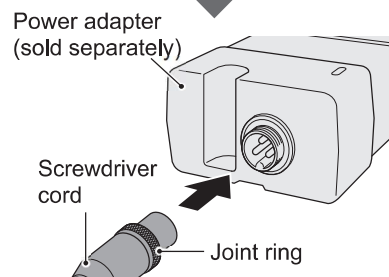
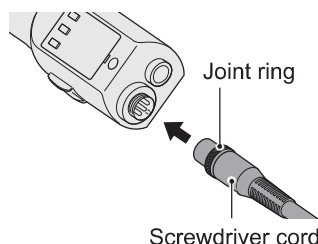
Connecting to Power Supply

ATTENTION

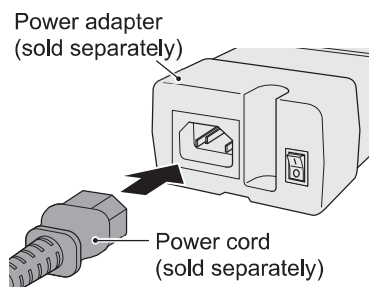
- Before connection, set the forward/reverse lever to the “○” position to lock the trigger switch. **P. 17**
- Use only our power supply (screwdriver cord, power adapter, and power cord). Also, do not use the power supply or cord designed specifically to this unit to operate other devices.
- When not using the tool for a long time, you are recommended to disconnect the power cord from the outlet. This unit consumes power even while it is turned off.

1 Connect the screwdriver cord to the power adapter and this unit.

Check the orientation of the connector and attach it correctly. Fix it with a joint ring.

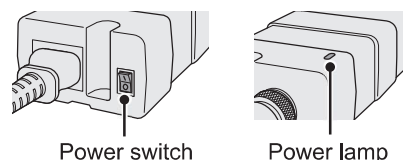


2 Attach the power cord to the power adapter.

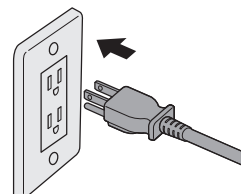


3 Check that the power switch of the power adapter is OFF.

When the power supply is OFF, the power lamp is off.

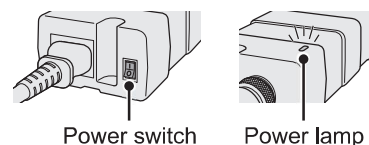


4 Connect the power plug to the outlet.



5 Turn ON the power switch of the power adapter.

The power lamp lights up green.



Switching Start Modes

This unit has two modes for rotation start.
Switch them according to the work before use.
(The factory default is lever start mode.)

Switching to Lever Start Mode

1 Set the forward/reverse lever to the “○” position.

The trigger switch gets locked.

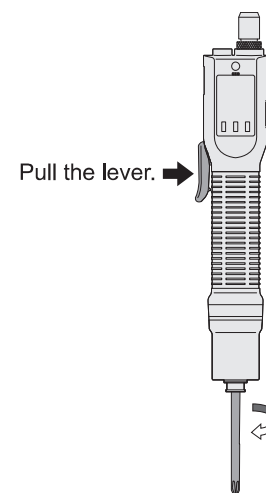
P. 17

2 Keep the lever depressed (for approximately 5 seconds) until the detection lamp lights up in yellow (for approximately 1 second).

Then, the buzzer emits three short beep sounds.

What is lever start mode?

Rotation starts when you pull the lever. Rotation stops when you release the lever.



Switching to Push Start Mode

1 Set the forward/reverse lever to the “○” position.

The trigger switch gets locked.

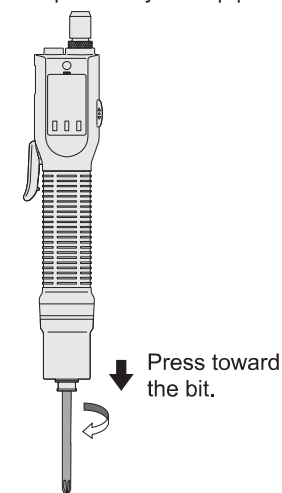
P. 17

2 Press the bit end against a work table or the like (for approximately 5 seconds) until the detection lamp lights up in yellow (for approximately 1 second).

Wait for a moment with the bit holder slightly sunk.
Then, the buzzer emits three short beep sounds.

What is push start mode?

Rotation starts when you push the Electric Screwdriver toward the bit.
Rotation stops when you stop pushing.



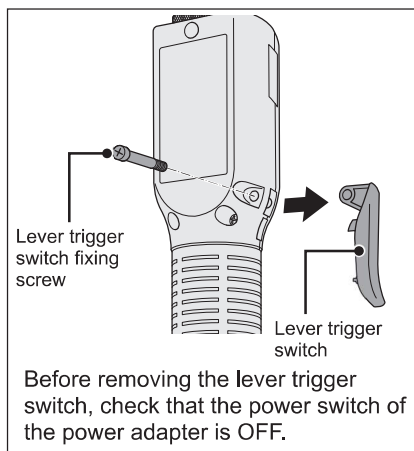
NOTE

- Only the selected start mode is enabled. The unselected start mode is disabled.

HOW TO USE (cont.)

NOTE

- The lever trigger switch can be removed as shown in the following figure.



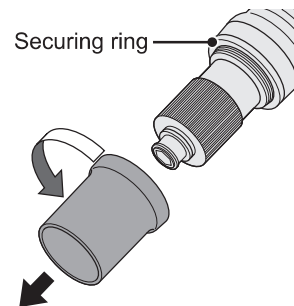
Setting Fastening Torque

According to the work, the clutch torque can be adjusted in 96 steps.

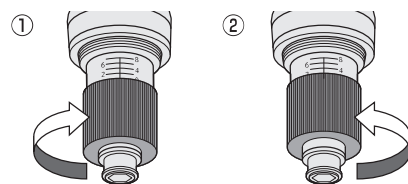
Setting Procedure

1 Remove the clutch cover.

Turn the clutch cover anticlockwise.



2 Adjust the torque with the clutch handle.



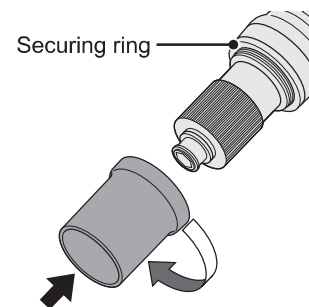
- ① To increase the output torque, turn the clutch handle clockwise.
- ② To decrease the output torque, turn the clutch handle anticlockwise.

To ensure long and safe use without causing any failure, observe the following:

- Set the torque according to the recommended fastening torque chart. **P. 23**
- Do not use the tool in such a manner that causes the motor to lock.

3 Attach the clutch cover.

Turn the clutch cover clockwise.



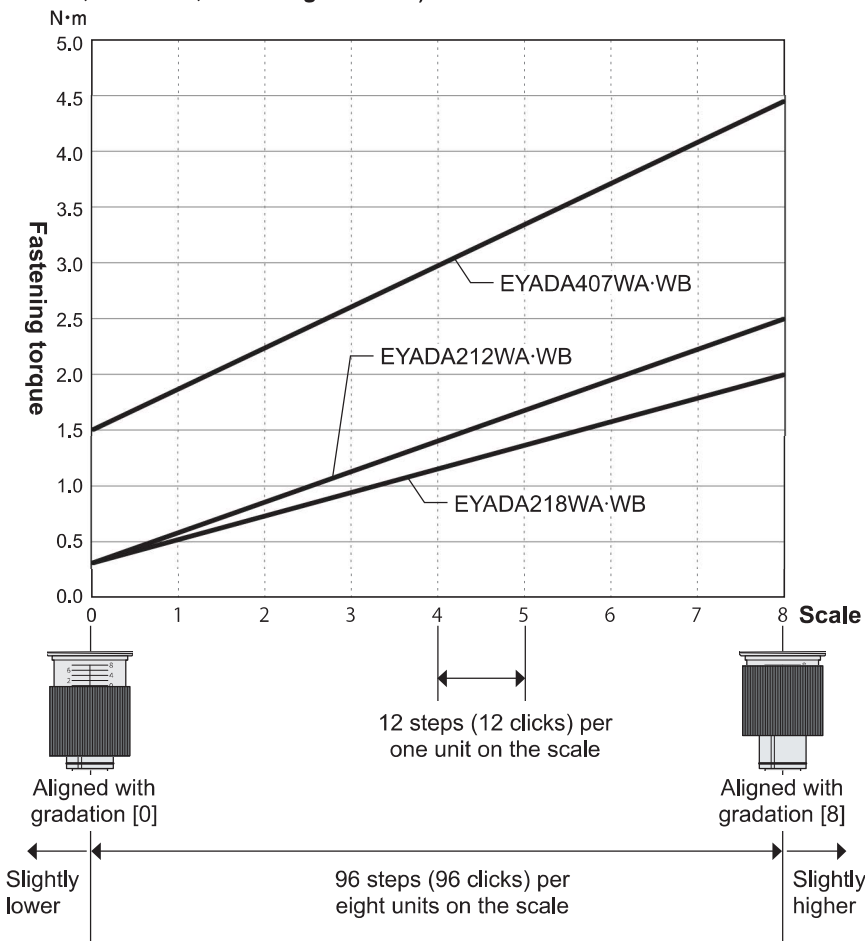
ATTENTION

- Attach the clutch cover during use so as to prevent the clutch setting from being changed unintentionally.
- Fasten the securing ring if it is loose.

Recommended Fastening Torque Chart (Reference Values)

These data are reference values measured under the following measurement conditions.

In actual work, they vary depending on the surrounding conditions (such as screws, materials, and fixing methods).



Measurement conditions

Based on our specified measurement conditions.

* In actual work, they vary depending on the surrounding conditions (such as screws, materials, and fixing methods). You are recommended to make a prior confirmation in actual work.

■ Fastening torque

The torque exercised on a screw fastened to an actual workpiece generally differs from the torque of the screwdriver measured by a torque gauge.

* This is because the work conditions differ between when using an actual workpiece and when measuring torque with a torque gauge. Torque exercised on a screw changes depending on the work conditions. (E.g., screw size/material, workpiece material, presence of pilot hole, finished condition, working posture, etc.)

■ Recommended method to set the clutch step and manage (store) the torque

There are two kinds of torque to manage (store): "torque (A) exercised on a screw fastened to an actual workpiece" and "torque (B) of the screwdriver".

① Fasten a screw to an actual workpiece using the screwdriver

② Using a gauge that can measure the torque exercised on the fastened screw, check the difference from the set torque (by means of loosening torque check, refastening torque check, etc.)

③ Repeat setting of the clutch step to find the one with a smallest difference

➔ To store the torque indicated by the gauge, i.e. the "torque (A) exercised on a screw fastened to an actual workpiece"

Fasten a screw to an actual workpiece and measure using a gauge

④ With the clutch step found above, measure the torque of the screwdriver using a torque gauge

➔ To store the torque indicated by the torque gauge, i.e. the "torque (B) of the screwdriver"

Measure using a torque gauge

* The conditions in ③ and ④ differ, resulting in different torque. ("Torque (A) exercised on a screw fastened to an actual workpiece" in ③ ≠ "torque (B) of the screwdriver" in ④)

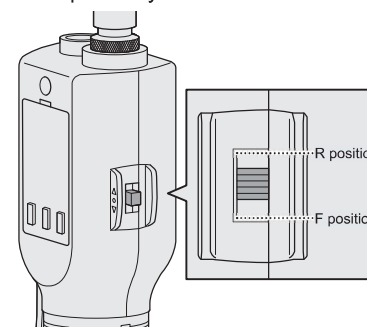
* Perform measurement more than once taking into account variation in the work conditions.

* Perform measurement periodically as the work conditions may change over time.

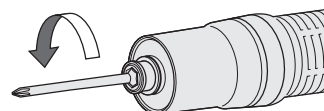
Starting Work

1 Set the rotation direction with the forward/reverse lever.

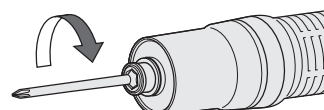
When you set it to the "F" position and the "R" position, the motor rotates forward (clockwise) and reverses (anticlockwise) respectively.



Forward (Clockwise)



Reverse (Anticlockwise)



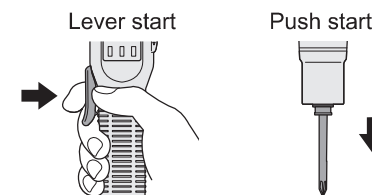
NOTE

- If the forward/reverse lever is switched while the motor is in action, the motor is forcibly stopped to rotate.

2 Start rotation.

In "lever start" mode, pull the lever.

In "push start" mode, push toward the bit.



- There may be a slight delay in the rotation startup at the start, but it is not a failure.
- In case of quick ON/OFF, the rotation startup will be late a little for that.
- You can select "lever start" or "push start" for start mode.

P. 21

Checking Fastening Status

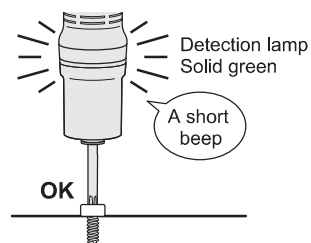
This unit notifies you of the work status with a buzzer and the detection lamp.

Fastening OK

When the clutch activates and the screw is normally fastened, the buzzer emits a short beep and the detection lamp lights up in green to tell you that the screw has been normally fastened.

You can also use the rotation time in combination as determination criteria.

- The detection conditions can be changed via a web browser. **P. 33 to 36**
- The lighting colour of the lamp can be changed via a web browser. **P. 45**

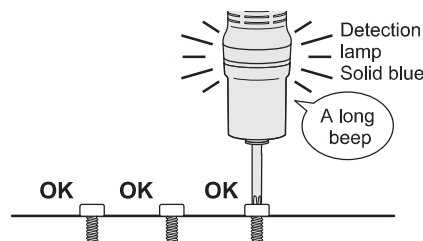


Count-up (Count finished)

The number of fastened screws determined as OK has reached the set count quantity.

With a buzzer (a long beep) and the blue detection lamp, you are notified that the set number of screws has been fastened successfully.

- Set the count quantity. **P. 40**
- The lighting colour of the lamp can be changed via a web browser. **P. 45**
- The buzzer pattern can be changed via a web browser. **P. 44**
- The buzzer (volume) can be changed via a web browser. **P. 44**

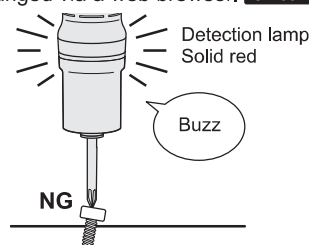


Fastening NG (NOK)

The tool stopped without clutch activated or detection conditions satisfied.

The buzzer emits a buzz and the detection lamp lights up in red to tell you that the screw has not been properly fastened.

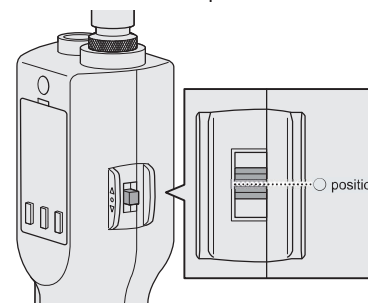
- Pressing the OK button will clear the error display.
- The lighting pattern of the lamp can be changed via a web browser. **P. 45**



Finishing Work

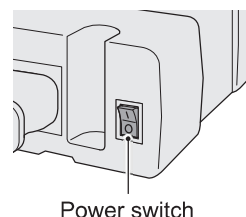
1 Set the forward/reverse lever to the trigger switch lock position.

Set it to the "○" position.

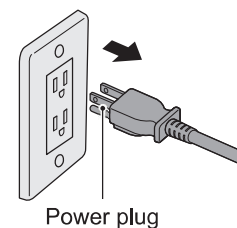


2 Turn OFF the power switch of the power adapter, or disconnect the power plug from the outlet.

Turn OFF the power switch.



Disconnect the power plug from the outlet.



PAIRING WITH THE CONTROLLER

Enabling Pairing

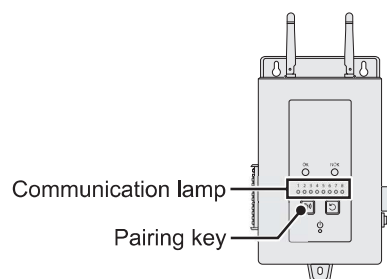
Use the Paring key on the controller unit (EYARW1).

Select the communication lamp of the number with no registration (lamp off) and hold the Pairing key down to enter the pairing mode.

During 2 minutes of the pairing mode, start the pairing mode on a tool within the coverage to automatically establish pairing.

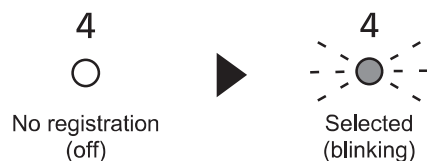
If pairing is not established within the time, the pairing mode will end.

* After you attempt to start pairing, it may take some time until the controller enters the pairing mode.



(To register Tool No. 4)

- 1 Press the Paring key on the controller 4 times to select Tool No. 4.**
Communication lamp No. 4 blinks.

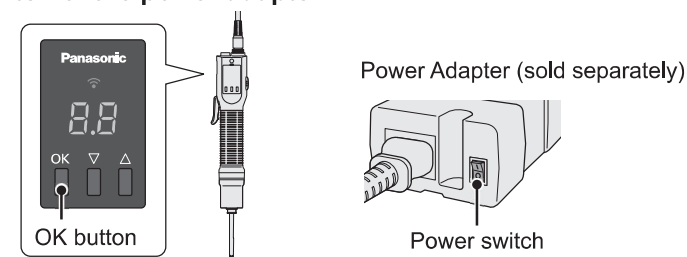


- 2 While No. 4 is selected, hold down the Paring key on the controller to enter the pairing mode of Tool No. 4.**

In the pairing mode, Communication lamp No. 4 starts blinking rapidly.



- 3 While holding down the OK button of the tool, turn ON the power switch of the power adapter.**



The tool enters the pairing mode.

Wireless communication is automatically established and paring registration is completed, which is notified by a buzzer from the controller.

* For details, refer to the controller's Operating Instructions.

* If pairing fails, cancel pairing on the controller and then try again.

Connect the screwdriver cord to the power adapter and the tool and then connect the power plug to the outlet before starting operation.

Communication lamp	Pairing mode (rapid blinking)	Registered (on)
Controller	4 	4
Tool (this unit)		

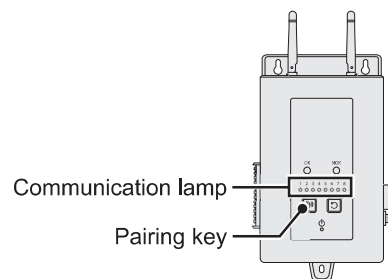
NOTE

- You can enable pairing by setting in the setting screen in addition to using the key on the unit.
- For how to enable pairing in the setting screen and details on operation of the controller, see the Operating Instructions supplied with the controller.
- There may be a lag between when the lamp switches to "registered" on the controller and that on the tool (this unit).

PAIRING WITH THE CONTROLLER (cont.)

Cancelling Pairing

Use the Pairing key on the controller unit (EYARW1).
Select the communication lamp of the tool number you want to cancel registration (lamp on) and hold the Pairing key down to cancel pairing registration.



(To cancel Tool No. 4)

- 1 Press the Pairing key on the controller 4 times to select Tool No. 4.
Communication lamp No. 4 blinks.



- 2 While No. 4 is selected, hold down the Pairing key on the controller to cancel pairing registration of Tool No. 4.
When pairing is cancelled, Communication lamp No. 4 stops blinking and turns off.



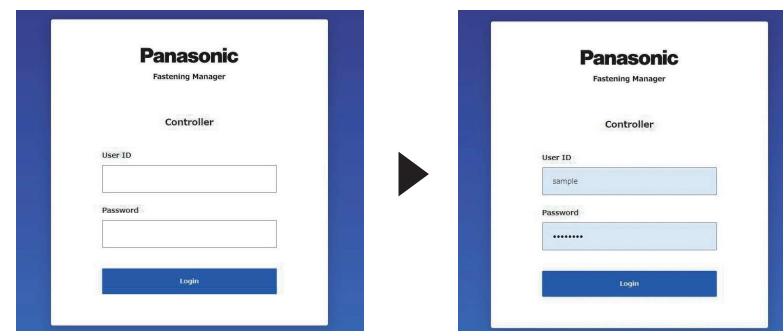
NOTE

- You can cancel pairing by setting in the setting screen in addition to using the key on the unit.
- For how to cancel pairing in the setting screen and details on operation of the controller, see the Operating Instructions supplied with the controller.

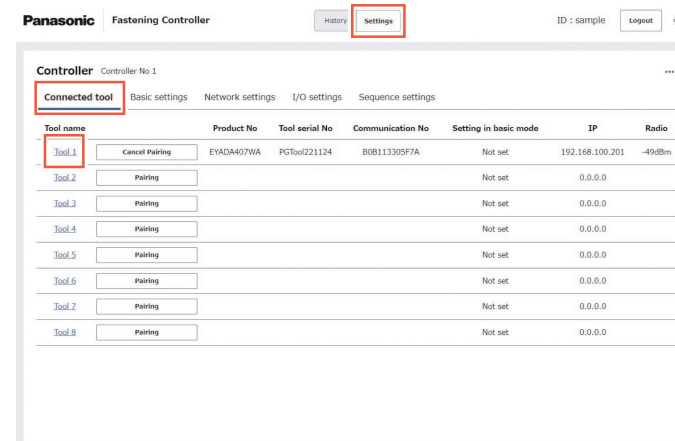
SETTING VIA A WEB BROWSER

Displaying the Setting Screen

- 1 **Displaying the Top Page.**
Refer to “Displaying the Setting Screen” to “Connecting via Network” in “PREPARATION BEFORE USE” of the Operating Instructions of the controller (EYARW1) and make settings via a web browser to display the top page.



- 2 **Displaying the Tool Screen.**
 - ① In the top page (the initial page of the setting screen), click [Settings] on the top and select the “Connected tool” tab.
 - ② In the “Connected tool” screen, click the desired tool number.
The screen for the tool number is displayed.



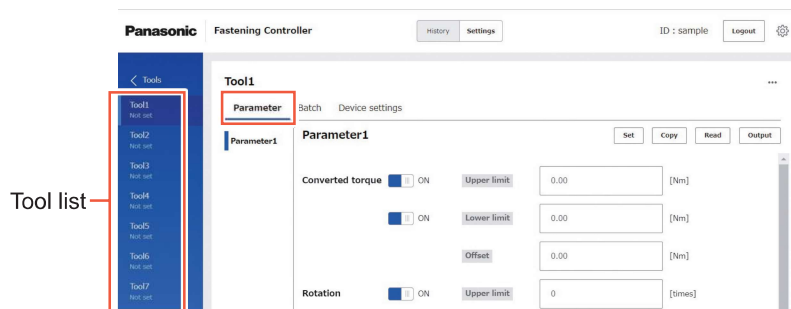
SETTING VIA A WEB BROWSER (cont.)

3 Displaying the Setting Screen.

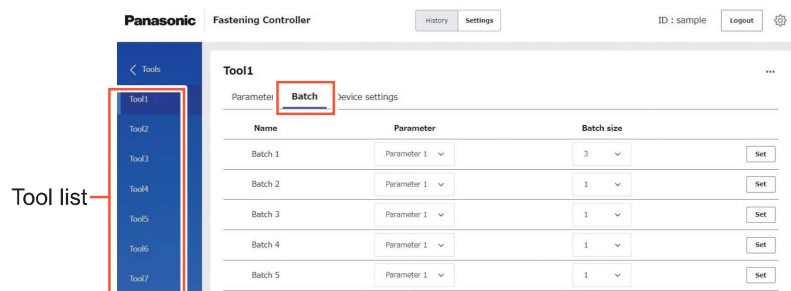
From the “Parameter”, “Batch”, and “Device settings” tabs in the screen for the tool number, make settings of Parameter, Batch, and Device settings.

* To switch the tool, select the desired one from the tool list.

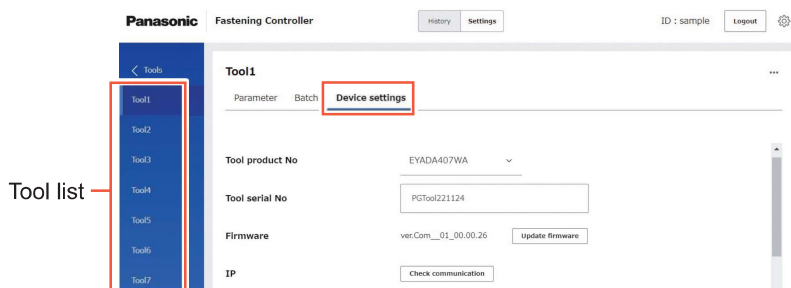
Parameter



Batch



Device settings



Parameter Items

Converted torque (Model No. WA only)

[Functional overview]

You can determine the fastening status by the converted torque of screw fastening. Set the lower limit and upper limit of the converted torque that is judged as Fastening OK.

- The lower limit setting must not be higher than the upper limit setting.

When the lower limit and the upper limit are set to 2.00 and 4.00 respectively



Snugs with 1.99 Nm Snugs with 3.00 Nm Snugs with 4.01 Nm

Fastening OK if the converted torque when snugging is within 2.00 Nm to 4.00 Nm.

What is converted torque?

As with a general screwdriver, the screwdriver's clutch is used to obtain the desired fastening torque.

Based on the correlation of the screwdriver's outputs (current, voltage and variation) at the time of clutch activation, this tool converts the fastening torque at the time of clutch activation into a converted torque (estimated value) and outputs it.

Use the value as evidence for the fastening result or to capture the trend of the fastening torque variation during a specific period.

[Default value]

- Upper limit **OFF**
- Lower limit **OFF**
- Offset **0.00** Nm

[Setting value]

- Upper limit **OFF** Disable
ON Enable / **0.00*** Nm to **9.99** Nm
- Lower limit **OFF** Disable
ON Enable / **0.00*** Nm to **9.99** Nm
- Offset **-9.99** Nm to **9.99** Nm

Entering the value with (*) will disable the function.