



Thank you for choosing a Yamaha CP4SW/CP4SF/CP1SF Control Panel. Refer to the DME64N/24N Owner's Manual for details about these products.

\*The illustrations in this document are for instructional purposes, and may appear somewhat different from the actual equipment.



For CP4SW/CP4SF/CP1SF installation refer to your Yamaha dealer, or the nearest Yamaha representative or authorized distributor listed in this document.

## Package Contents (Please check before using)

- CP4SW/CP4SF/CP1SF Owner's Manual (this document)
- Control panel unit
- Frame plate for control panel mounting
- Euroblock connector
- CP4SW: 5P×1, 8P×1
- CP4SF: 5P×1, 8P×1, 9P×1
- CP1SF: 7P×1

## Installation Procedure

### Cable



Be sure to use shielded cable.



Do not tin (plate with solder) the exposed sections of the cable.

Bare cable ends to be connected to the Euroblock as shown in the diagram.

Single conductor. Twisted pair.



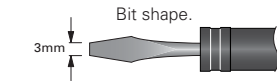
Shielded cable.



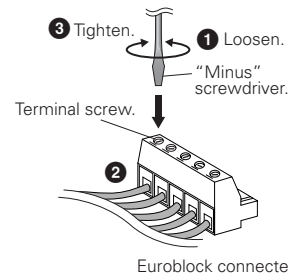
Cable lengths up to 100 meters can be used to connect to the DME64N/24N if CPEV cable with a conductor diameter of greater than 0.65 millimeters is used.

### Euroblock Connection

**NOTE** A "minus" screwdriver with a blade width of about 3 millimeters is recommended.

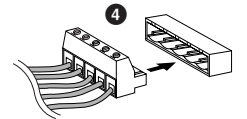


- 1 Loosen terminal screw.
- 2 Insert cable.



- 3 Securely tighten terminal screw. Screw the frame plate to the terminal box.

- 4 Plug the Euroblock connector into the control panel.



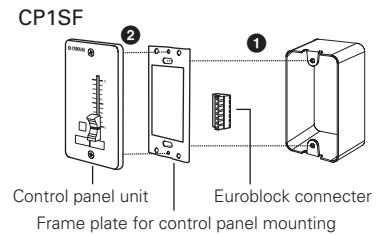
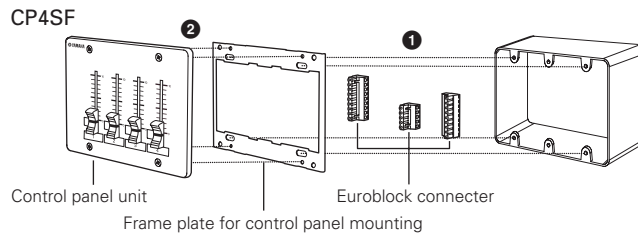
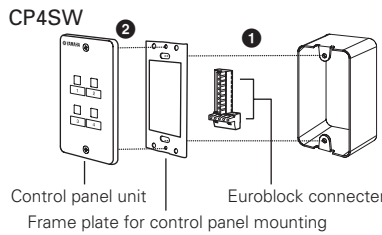
- 1 Screw the frame plate to the terminal box.

**NOTE** Terminal box not included. Use a standard (US-type) wall box: 1-gang with a depth of 44 millimeters or more for the CP4SW and CP1SF, 3-gang with a depth of 44 millimeters or more for the CP4SF.

- The screw heads should extend from the frame plate by no more than 3 millimeters.

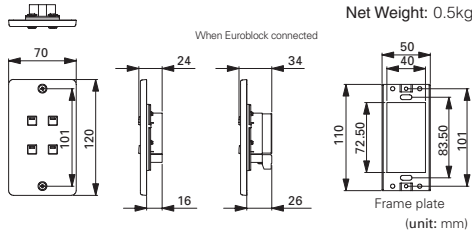
- 2 Screw the control panel to the frame plate.

**NOTE** Tighten the screws used to attach the control panel to the frame plate with a torque of less than 1.5 Nm.



## Specifications

### CP4SW

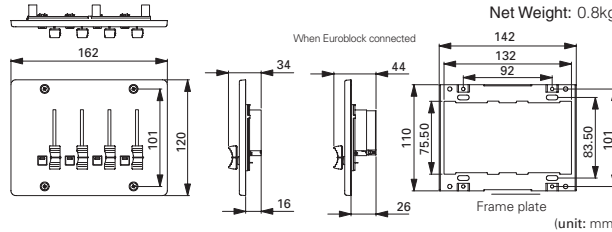


Net Weight: 0.5kg

#### Connector Pin Assignments

8P	1	S1V	5P	1	L1I
	2	S1O		2	L2I
	3	S2V		3	L3I
	4	S2O		4	L4I
	5	S3V		5	LGND
	6	S3O			
	7	S4V			
	8	S4O			

### CP4SF

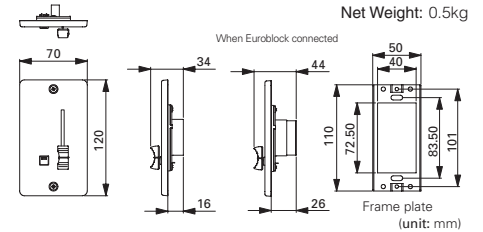


Net Weight: 0.8kg

#### Connector Pin Assignments

8P	1	S1V	5P	1	L1I	9P	1	F1V
	2	S1O		2	L2I		2	F1O
	3	S2V		3	L3I		3	F2V
	4	S2O		4	L4I		4	F2O
	5	S3V		5	LGND		5	F3V
	6	S3O					6	F3O
	7	S4V					7	F4V
	8	S4O					8	F4O
							9	FGND

### CP1SF

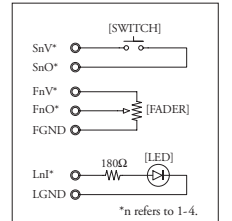


Net Weight: 0.5kg

#### Connector Pin Assignments

7P	1	S1V
	2	S1O
	3	L1I
	4	LGND
	5	F1V
	6	F1O
	7	FGND

#### Circuit Diagrams



#### Control I/O Characteristics

Terminal	Level	Connector
GPI	IN	TTL
	OUT	0 - 5V
	+V	5V
		Euro Block Connector
		Euro Block Connector
		Euro Block Connector

#### Temperature Range

Conditions	Range
Operating temperature range	10 - 35°C
Storage temperature range	-20 - 60°C

European models  
Purchaser/User Information specified in EN55103-1 and EN55103-2.  
Conforms to Environments: E1, E2, E3 and E4.

Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

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