

Add-on Electric Power Unit for Your Wheelchair

# JWX-1



Foldable even with battery

Lightweight  
Long Range  
Compact





# Lightweight Long Range Compact

**14.7 + 2.9kg**

(Unit + NiMH battery)

**18.0km / 11.2miles**

(With fully charged NiMH battery)

**39cm / 15.4" folding width**

(With the photographed wheelchair)

**Yamaha's JWX-1 converts your manual wheelchair into an electric model.**

## Joystick lever



Simply operate the Joystick Lever, and the wheelchair is at your command. Yamaha Motorcycle Technology is fully reflected in this system.

## Controller for assistant

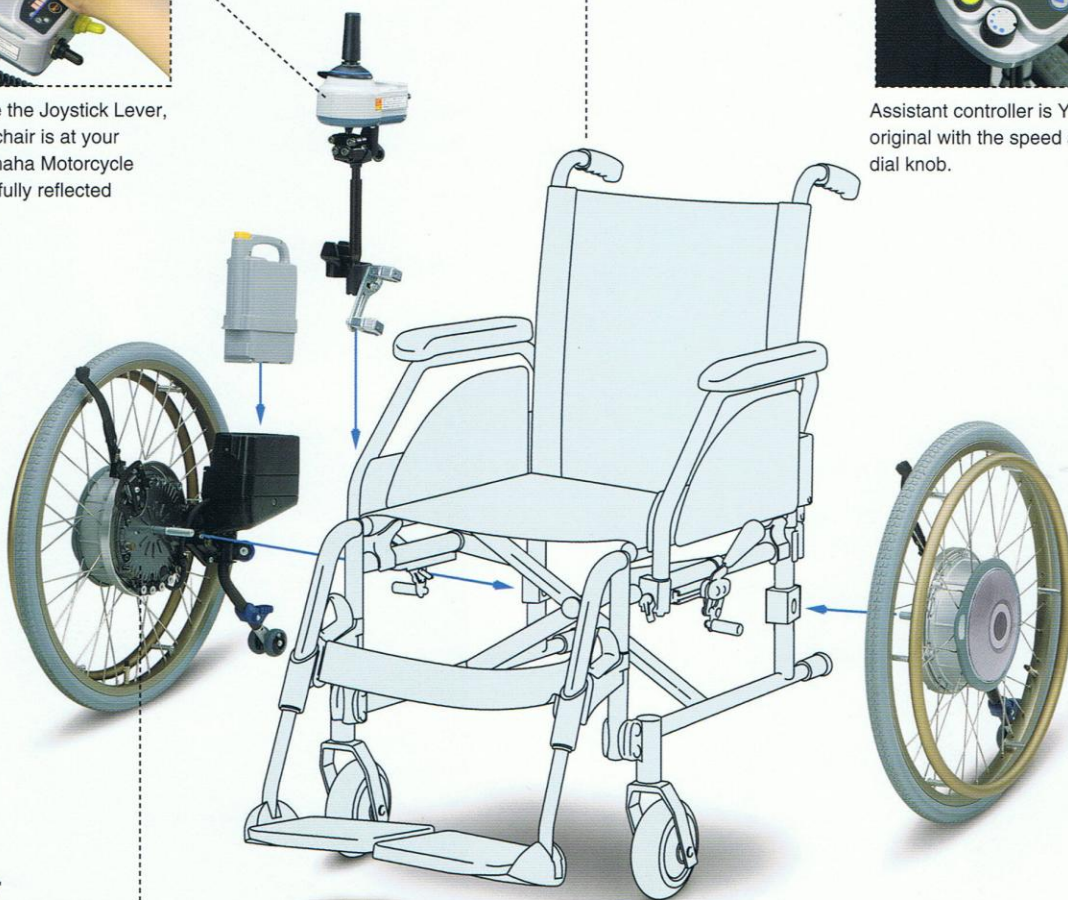


Assistant controller is Yamaha original with the speed adjustment dial knob.

Optional

## Flat motor

A highly efficient flat type motor has newly been developed. This flat motor is compatible with a wide range of wheelchairs.





# Yamaha's accumulated versatile experiences have been assembled into JWX-1.

The predecessor of JWX-1 has already served more than 30,000 people in Japan.

## Skillful features for easy handling

### Joystick controller



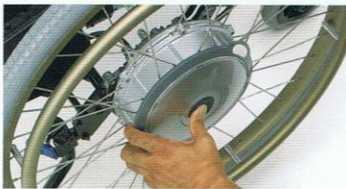
■ The traveling speed is adjustable in 5 different levels.

The speed can be set at the most suitable level from the switch on the control panel.

■ JWX-1 is designed for 6.0km/h speed.

JWX-1 in standard specifications provides comfortable traveling everywhere at optimal speed.

### Quick release wheels



Simple operation

Just push button to release and pull wheel out.

### Retractable controller to the lower position.

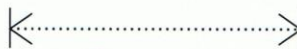
Controller can be retracted down to the lower holder if the controller becomes an obstacle when approaching a table, for instance.

※ This function equips for frame mounting bracket for joystick controller only.



### 39cm / 15.4" folding width

(This photo refers exclusively to this model wheelchair.)



Incredibly compact,  
even with battery

### Unrivalled lightweight unit of only 14.7kg

(without battery)



## Outstanding features for the safety



### Swing-type anti-tip device

A bar for preventing possible backward tipping is provided, which can be retracted instantaneously when it is not required as an attending carer tilts the wheelchair to go over a step, for instance.



### Quick and positive switching between electric and manual operations

Semiautomatic clutch system assures

## More sophisticated features and functions

### Selectable running modes; just fit for users

Operating feel can be altered to match the physical conditions of the individual wheelchair user.

Selectable from 3 types of preset modes for which the operating feel is set up in advance. In addition, free mode can be selected in which the 9 parameters can be adjusted separately, depending on the physical conditions of the user.

#### ■ Preset modes

Soft mode, Standard mode, and Sports mode are available. 9 parameters are adjusted in advance for each operating mode.

#### ■ Free mode

Each of the 9 parameters, including forward traveling speed, reverse speed, and turning speed can be adjusted separately in three steps.



## ■ JWX-1 main parts



Driving wheels (2) Battery charger (1) Battery (1)  
Joystick controller (1)

## JWX-1 Optional equipment



● Assistant controller



● Armrest mounting bracket for joystick controller

## ■ JWX-1 Combinations

		Joystick controller location	Maximum speed	Battery
Wheel Size	24 inch	Right side / Left side	6km / h	Nickel-metal hydride battery

## ■ JWX-1 Specifications

Model		JWX-1
Drive system		Direct rear-wheel drive system
Weight		14.7kg (without battery)
Steering system	Control by a user	Joystick operation
	Control by an assistant	Push-button operation
Driving wheel diameter		24 inch
Control system		Microcomputer control
Motor		30 minutes rated output : 24V, 120W x 2
Manual / Electric operation switching		Switching at hand
Travel speed (Adjustable in 5 speeds)		Forward travel speed ; 1.7 to 6.0km / h, and Reverse speed ; 1.0 to 3.0 km / h with 6.0km / h version.
Actual climbing angle		6°
Battery	Nickel-metal hydride battery	Weight : 2.9kg
		24V x 6.7Ah
Battery charger	Power supply	AC100V to 240V, 50/60Hz
	Charging system	Fully automatic charging system
	Charging time	Approx. 2 to 3 hours in room temperature
Electric-powered range (※1)	6km / h version	Nickel-metal hydride battery : 18km/11.2miles with 80kg load

※ 1 Based on the TUV test results with fully charged new battery.

- The actual products may differ in part from the pictures and/or descriptions due to the possible specification changes for product improvement.
- Due to the color reproducing limitation of printing, the product colors in the brochure may appear slightly different from actual colors.

### Precautions for using the product

- Read the instruction manual carefully.
- Practice in a spacious and safe area until you have enough confidence to operate the product.
- Never use cell phones or transceivers while in operation. If you must use these devices, park the wheelchair in a safe place and turn off its power switch. Avoid traveling in places exposed to strong electromagnetic waves, such as places near high-voltage cables and/or near TV towers.
- Adhere to the safety labels indicating "Danger", "Warning" and "Caution" attached to the product to assure the safety applications.

As of March, 2007

URL: <http://www.yamaha-motor.co.jp/product/wheelchair/>

For further details of JWX-1 and JW Active, contact:

