

■ 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	22 inch	Right side / Left side	5.7km / h	Lithium-ion battery / Nickel-metal hydride battery
	24 inch		6km / h	

■ JWX-1 Specifications

Model	JWX-1	
Drive system	Direct rear-wheel drive system	
Weight ^(※1)	14.5kg (without battery)	
Steering system	Control by a user	Joystick operation
	Control by an assistant	Push-button operation
Driving wheel diameter	22 inch, 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	Lithium-ion battery	Weight : 3.3kg 25V x 12Ah
	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 ^(※2)	6km / h version	Lithium-ion battery : 32.5km/20.2miles with 125kg load
		Nickel-metal hydride battery : 18km/11.2miles with 80kg load

※1 For a 22-inch wheel version.

※2 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 October, 2006

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

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



Add-on Electric Power Unit for Your Wheelchair

JWX-1



Foldable even with battery

Lightweight
Long Range
Compact



Lightweight Long Range Compact

14.5 + 3.3kg
(Unit + Li-ion battery)

32.5km / 20.2miles
(With fully charged Li-ion battery)

39cm / 15.4" folding width
(With the photographed wheelchair)

*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.

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

Joystick lever

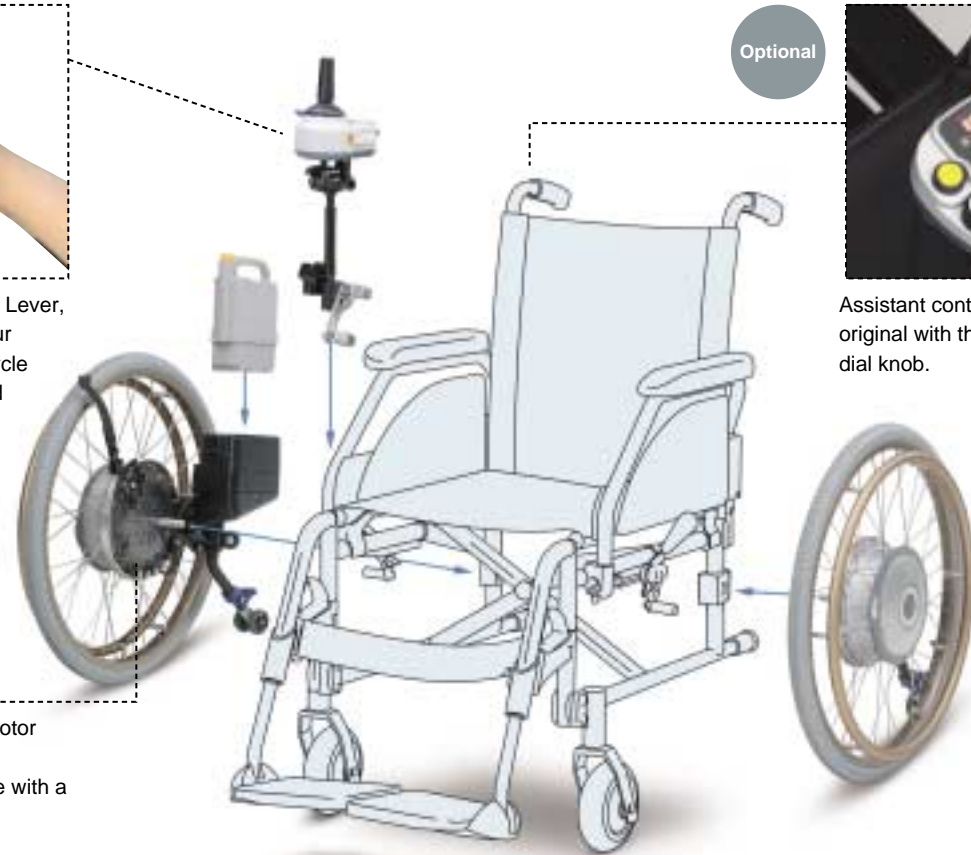


Simply operate the Joystick Lever, and the wheelchair is at your command. Yamaha Motorcycle Technology is fully reflected in this system.

Controller for assistant



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



Flat motor

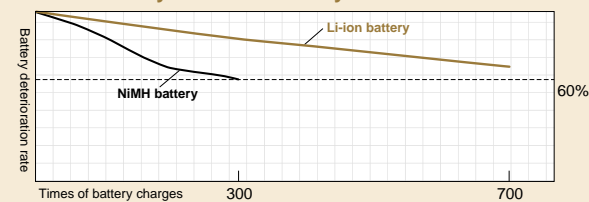
A highly efficient flat type motor has newly been developed. This flat motor is compatible with a wide range of wheelchairs.

The battery power may be selected from the high-performance Li-ion battery or the NiMH battery. Either of them can be removed easily.

● JWX-1 can go as far as **32.5km / 20.2miles** with a fully charged Li-ion battery.

Big Capacity
Long Life

Differences in deterioration:
Li-ion battery and NiMH battery



Values in the chart are for reference. In practice, they vary, depending on the operating conditions including temperature.

Lithium-ion battery



Weight : 3.3kg

Nickel-Metal Hydride (NiMH) battery

18.0km / 11.2miles
(With full charge)



Weight : 2.9kg

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. (5.7km/h with 22" version)

Quick release wheels



Simple operation

Just push button to release and pull wheel out.

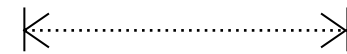
Retractable controller to the lower position.

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



39cm / 15.4" folding width

(This photo refers exclusively to this model wheelchair.)



Incredibly compact, even with battery

● Unrivalled lightweight unit of only 14.5kg (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 the positive switching simply by the clutch lever.

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.

Please ask your dealer to set each parameter. The setting must be done under the supervision of a specialist such as Medical Doctor, PT or OT.