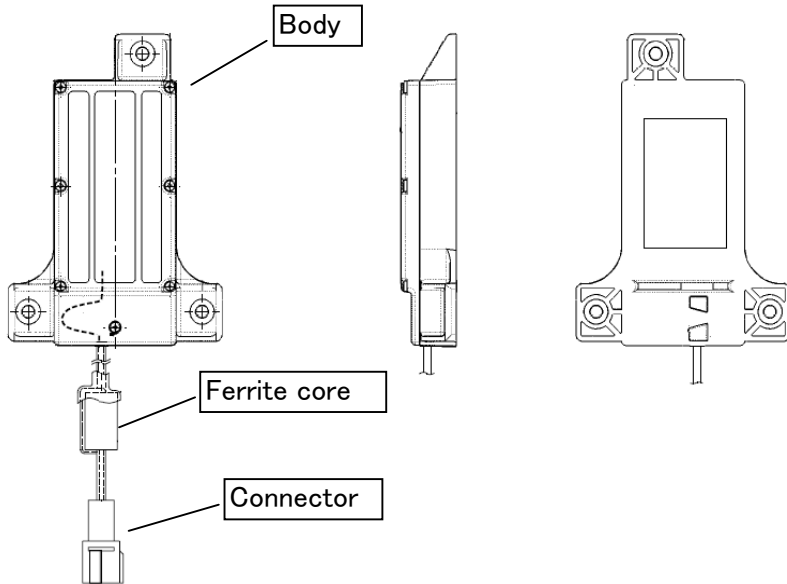


1. Introduction of the product

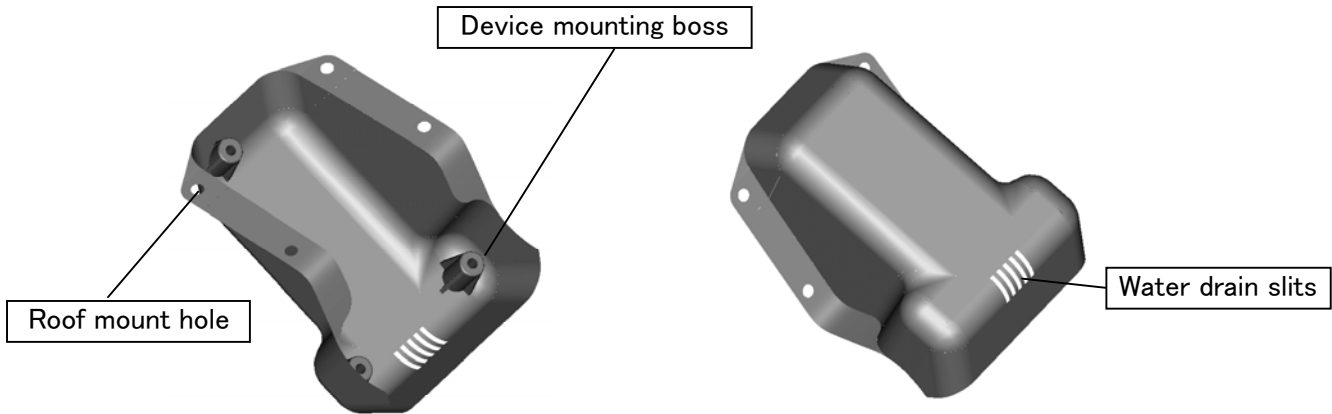
These devices make it possible to efficiently manage and maintain numerous YDRE's in a single golf course.

2. Parts and descriptions

(1) Child device (The general term Child device in the text means a TERMINAL UNIT.)



(2) Device cover



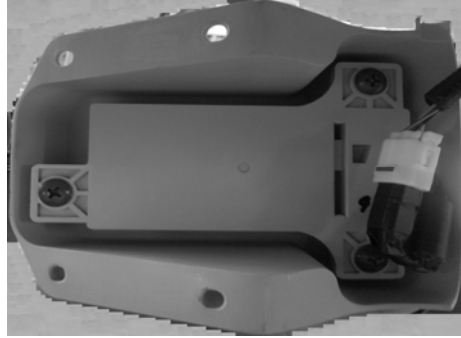
(3) Wire lead



3. Installation

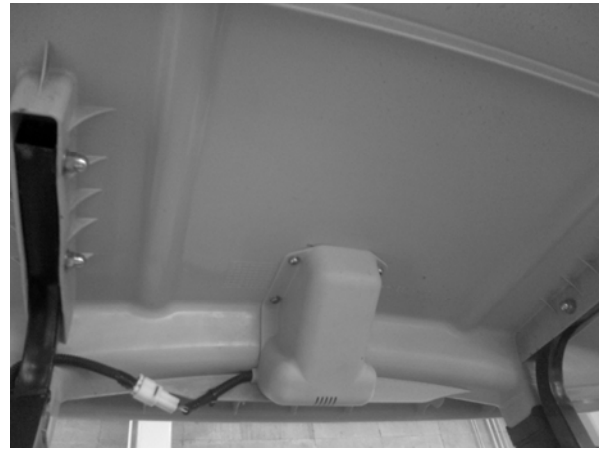
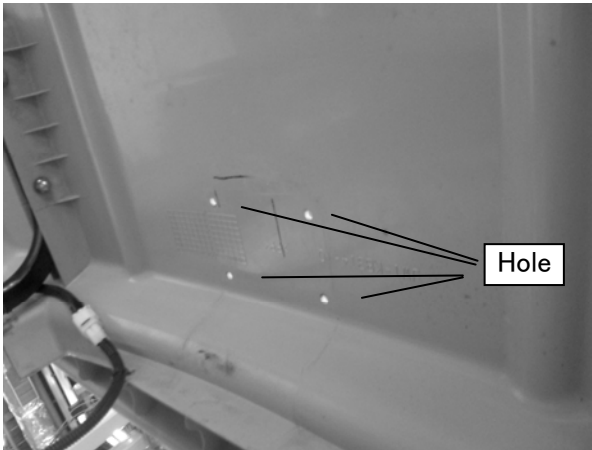
(1) Install the child device onto the device cover.

Use three tapping screws to mount the child device on the device cover.
Connect the wire lead to the child device.



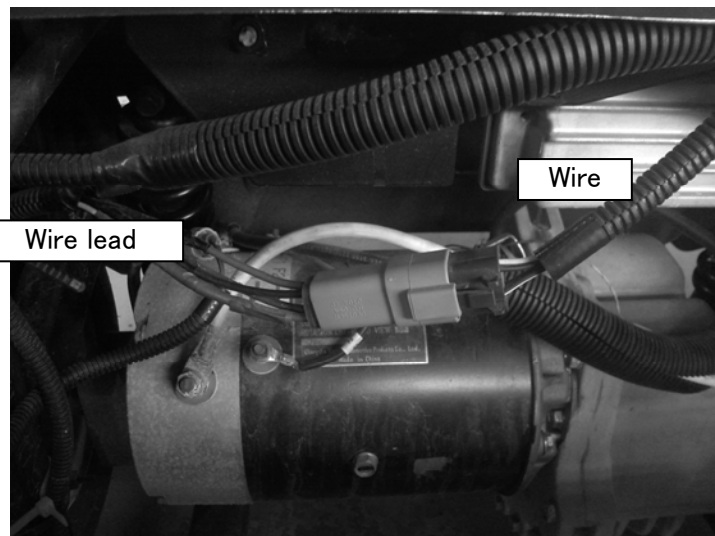
(2) Install the child device on the roof.

Drill four holes on the roof, and then secure the device cover on the roof via the bolts and nuts.



(3) Install the wire leads.

Route the wire lead through the gutter into the rear cowl.
Connect the wire lead to the wire harness inside the rear cowl.



- ! Caution:** Do not disassemble the transmitter. Contact Yamaha Service if the device requires service or repair.
- ! Caution:** Secure the wire lead on the frame. Don't allow it to contact the motor or other rotating objects or the hot portions.
Secure the wire lead on the vehicle frame so that it won't reach below the vehicle frame.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

—The cable of child unit with ferrite core must be used for RF Interference suppression.

4. Operation

(1) Setting up the Vehicle Management PC

Refer to the separate "Vehicle Management Software Installation Manual".

(2) Registering the vehicles and the relay devices

(3) How to use the Vehicle Management software

Please refer to the separate document, "Vehicle Management System: JW9-85560-00 Parent device, JW9-8A2F0-00 Relay device".

5. Equipment specifications

Item	Specifications	Remarks
Product model type	JW9-85579-00	
External dimensions	106 X 153 X 27.5mm	
Product weight	About 170g	
Region	USA	
Operating	-10~60°C	
Operating humidity	85%Rh or lower	No formation of dew
Rated Voltage	DC 5V ± 0.5V	
Max. power consumption	35mA or less	
Interface standard	RS-232C serial communication	
Interface data transmission	9600bps	
Connector specifications	<ul style="list-style-type: none"> •Housing : 6188-0004 •Terminal : 1500-0105 •Pin layout <ul style="list-style-type: none"> 1pin DC5V (red) 2pin GND (black) 3pin data receive (blue) 4pin data send (yellow) 	
Communication	Simplex communication system	
Operating frequencies	CH0 : 916.2204MHz	On registration : CH0 In service : CH1 (default)
	CH1 : 918.0636MHz	
	CH2 : 919.9068MHz	
	CH3 : 921.7500MHz	
Type of oscillation	PLL synthesizer type	
Type of modulation	2-value FSK	
Coding	NRZ	
Aerial type	Dielectric chip antenna	
Electric field strength, send	Less than 93.9dBuV/m	By 3m method
Spurious radiation strength	0.1uW (-40dBm) or lower	Maximum electric power up to tertiary harmonics at end
Frequency deviation	Within 32±15kHz	By 511bit STD encoded signal at 19200bps
Collateral radiation strength	0.1uW (-40dBm) or lower	Maximum electric power between 0~3GHz at end of
Sensitivity to reception	15dBuVemf or lower	Per standard data at 19200bps, DEV32kHz, and
Signal reception level setting	Level 4-5 threshold : 33dBuVemf Level 3-4 threshold : 23dBuVemf	