



RCU-1

Wireless Autopilot Remote Control & Gateway

The Raymarine RCU-1 Autopilot Remote puts complete steering control in the palm of your hand. Designed exclusively for Raymarine Evolution autopilots, the RCU-1 works with both sailing and powerboats and connects wirelessly to your vessel's NMEA 2000 / SeaTalk NG network via the WG-1 Bluetooth gateway. With intuitive modes like Point-and-Go and Solo Sailor safety features, the RCU-1 makes navigation smarter, safer and more convenient. Compact, rugged and easy to use, it's the ultimate companion for hands-on pilot control anywhere onboard.

RCU-1 KEY FEATURES

- Engage, adjust or disengage the autopilot from anywhere onboard using the dedicated keypad.
- View live data from connected instruments and Axiom chartplotters*.
- Bright color display for clear data visibility.
- Solo Sailor safety mode for Man Overboard (MOB) protection.
- Point-and-Go heading control for quick course changes.
- Simple power solution using standard AA batteries (supplied).
- Wireless range up to 30 m (98 ft.).
- Built-in alarm buzzer for Man Overboard (MOB) situations.
- Includes lanyard and fixed mounting cradle for convenience.



* The display of data from a Raymarine Axiom chartplotter requires the Axiom to be on the same NMEA 2000 / SeaTalk NG network as the WG-1 wireless gateway, and the Axiom to be running LightHouse 4 software, version 4.11 (or later).

TECHNICAL SPECIFICATIONS

PHYSICAL	RCU-1 REMOTE	WG-1 WIRELESS GATEWAY
Height:	150.87 mm (5.94 in.)	26.61 mm (1.05 in.)
Width:	59.83 mm (2.36 in.)	108.48 mm (4.27 in.)
Depth:	31.51 mm (1.24 in.)	N/A
Weight:	190 g (6.70 oz.) including supplied batteries	129 g (4.55 oz.)
POWER		
Nominal supply voltage:	3.0 V DC, provided by 2x AA batteries - see below	12 V dc (supplied by the SeaTalk NG network)
Operating voltage range:	N/A	9 V DC to 16 V DC (protected up to 32 V DC)
Power consumption:	N/A	30 mA maximum
LEN (Load Equivalency Number):	N/A	1
BATTERIES		
Size:	AA	N/A
Recommended types:	2x Alkaline / Lithium / Rechargeable	N/A
Battery life expectancy:	In use: 30 days* Storage: 365 days	N/A
ENVIRONMENTAL		
Operating temperature range:	-25 °C to +55 °C (-13 °F to 131 °F)	-25 °C to +55 °C (-13 °F to 131 °F)
Storage temperature range:	-30 °C to +70 °C (-22 °F to 158 °F)	-25 °C to +70 °C (-13 °F to 158 °F)
Relative humidity:	Up to 95% @ 40 °C (104 °F)	93%
Water ingress protection:	IP67	IPx6, IPx7
AHRS		
AHRS sensors:	3-axis Accelerometer / 3-axis Magnetometer / 3-axis Gyroscope	N/A
Magnetic compass accuracy:	Static: ±1° RMS Dynamic: ±5° RMS	N/A
Pitch, Roll, and Yaw accuracy:	±1°	N/A
Heading, Pitch, Roll, and Rate-of-Turn update rate:	10 Hz	N/A
BLUETOOTH		
Version:	5.1	
Connection range:	Up to 30 m (98.4 ft.), with clear line-of-sight	

* Quoted battery life expectancy figures are for average use using the supplied batteries. Actual battery life will differ, depending on usage, battery type, and ambient temperature.

For further information go to our website
www.raymarine.com

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