

CM800/850

Coursemaster has been keeping skippers on course for more than 25 years with our tough, reliable autopilots. Continuing this tradition, the Coursemaster CM800 and CM850 autopilots are ideal for pleasure boats—both power and sail—as well as fishing and commercial vessels from six to eighty metres.

The CM800 and CM850 incorporate the latest autopilot technology. The difference between the two models comes down to whether you prefer to turn a knob to change course (CM850) or to press buttons on a touch-control panel (CM800).

Both have all the features you need to hold course in all sea conditions, including:

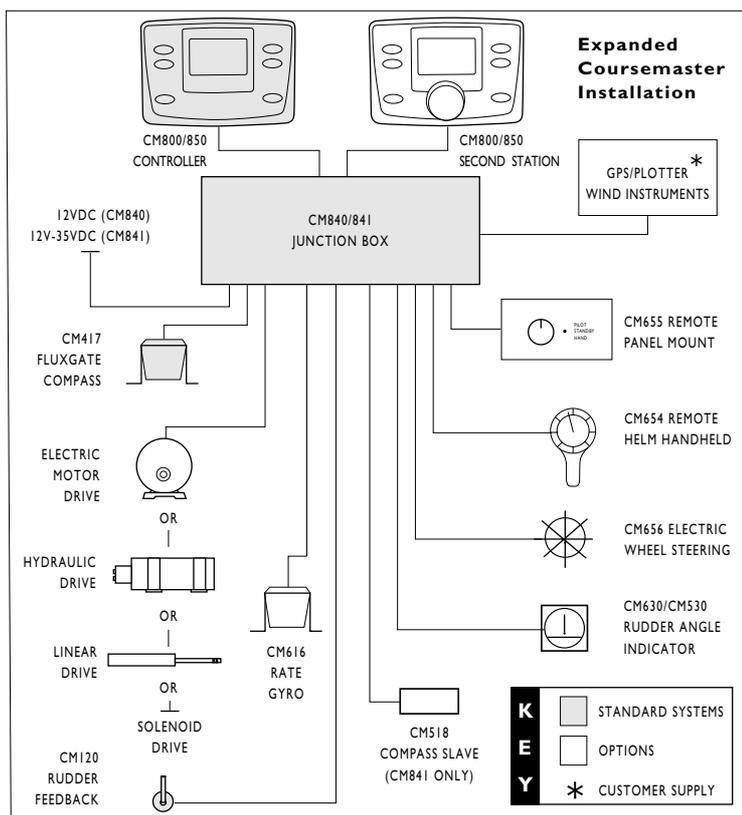
- Large graphic display you can see at a glance
- Interface with GPS, plotters and instrument systems
- Four sea state settings to cope with various weather conditions
- Automatic trim to keep course in cross winds and seas, weather helm and other offsets
- Rudder angle indicator on graphic display
- For yachts, an autotack feature—great when you're short of crew
- Gyro sensor option for more accurate steering and reduced power consumption
- Optional second station so you can control the pilot from another helm position
- Extensive range of drive options: linear, hydraulic, mechanical rotary and solenoid



Selecting the right autopilot for your boat depends on its size, displacement and design, as well as the conditions you expect to use it in. Coursemaster can supply a variety of power and drive options to provide the most efficient solution.

Like all Coursemaster Autopilots, the CM800 and CM850 are designed and built in Australia. And all are backed by Coursemaster's 25 year reputation for superior service.





The **CM800/850** is simple to operate:

CM800:

- Press Standby to turn the system on and view the vessel's heading and rudder angle on the display. Point the vessel in the direction you want to go and then press Pilot. Your CM800 will hold that course. To change course simply press the port or starboard course keys.

- Press Nav to steer to waypoint information from a GPS or plotter. Press the Mode key to select customised steering control for your vessel.

CM850:

- Press Standby to turn the system on and view the vessel's heading and rudder angle on the display. Point the vessel in the direction you want to go and then press Pilot. Your CM850 will hold that course. To change course simply turn the course knob to port or starboard.

- Press Nav to steer to waypoint information from a GPS or plotter. Press the Mode key to select customised steering control for your vessel.

SPECIFICATIONS

CM800/850 AUTOPILOT SYSTEM SPECIFICATIONS

ENVIRONMENTAL: 0 deg - 50 deg C
 STEERING SYSTEM TYPES: Hydraulic, Mechanical, Solenoid
 POWER CONSUMPTION: Standby: 300mAmps @ 12VDC
 Pilot - 2.5amps @ 20% duty cycle
 Using standard Hydraulic Pump or Mechanical Motor.

CM800/850 CONTROLLER

DISPLAY: Backlit LCD dot matrix
 ALARMS: Off Course, watch keeping, system
 DIMENSIONS: 163mm x 116mm x 30mm
 MOUNTING: Panel mount, optional bracket mount
 CABLE: 6m

CM840 JUNCTION BOX

INPUT VOLTAGE: 12 VDC
 MOTOR DRIVE: 15 Amp cont
 HEADING SENSOR: Coursemaster fluxgate compass, rate gyro
 INTERFACE: NMEA 0183, 2 x input, 1 x output
 DIMENSIONS: 205mm x 140mm x 45mm

CM841 JUNCTION BOX

INPUT VOLTAGE: 12 - 35VDC
 MOTOR DRIVE: 25 Amp cont
 HEADING SENSOR:
 Coursemaster fluxgate magnetic heading sensor, rate gyro
 INTERFACE: NMEA 0183, 2 x input, 1 x output
 DIMENSIONS: 270mm x 140mm x 45mm

CM120 RUDDER FEEDBACK

DIMENSIONS: 97mm x 62mm (Arm 145mm)
 MOUNTING: Horizontal, vertical, inverted.
 CABLE: 10m

CM417 FLUXGATE COMPASS

OUTPUT: Sine/Cosine
 ACCURACY: 2 degrees RMS
 ROLL/PITCH: +/- 35 degrees.
 DIMENSIONS: 120mm x 115mm
 CABLE: 8m

CM655 REMOTE HELM

DIMENSIONS: 140mm x 90mm x 45mm
 MOUNTING: Panel
 CABLE: 9m

CM654 REMOTE HELM

DIMENSIONS: 155mm x 60mm
 MOUNTING: Hand held
 CABLE: 10m

CM616 RATE GYRO

It provides a far steadier course than any autopilot using only a fluxgate compass, and completely overcomes any acceleration effects or magnetic field influences.
 DIMENSIONS: 120mm x 115mm
 CABLE: 8m

For detailed specifications see our website
www.coursemaster.com

DRIVE UNITS

Coursemaster offers a range of drive options to suit most steering systems.

HYDRAULIC DRIVES:

CM1012, CM1212, CM2012 Hydraulic pumps
 VOLTAGE: 12VDC (avail 24VDC)
 TYPE: Reversing
 CAPACITY: 1 Ltr/min, 1.2 Ltr/min, 2 Ltr/min

CM3012, CM5012 Hydraulic pumps

VOLTAGE: 12VDC (avail 24VDC)
 TYPE: Continuous running, solenoid control, adjustable flow control
 CAPACITY: 2 Ltr/min, 4 Ltr/min

LINEAR DRIVES:

CMLD10, CMLD12
 VOLTAGE: 12VDC
 TYPE: Reversing Hydraulic
 STROKE: 250mm, 300mm

MECHANICAL DRIVES:

CMRD MECHANICAL ROTARY DRIVE
 VOLTAGE: 12 VOLT DC (avail. in 24 VDC)
 TYPE: Reversing, Printed Circuit Reversing, Sprocket drive, Electromagnetic Clutch
 TORQUE: 120kg/cm @ 30RPM

CMCD ROTARY CABLE DRIVE

VOLTAGE: 12VDC
 TYPE: Rotary cable drive, replaces existing drive unit

SOLENOID DRIVE: Standard system operates with solenoid valves when fitted to vessels with power assisted steering.

OPTIONS:

Other options are available including heavy duty rudder feedback, rudder angle meters, electric wheel steering and jet drive interface.
 Contact your dealer for information

NOTE: (25.4mm = 1 inch)

The specifications above are correct at the time of publication. Coursemaster reserves the right to modify specifications in the interest of improving product quality.

COURSEMASTER AUTOPILOTS

Australia's world leader in autopilot technology.

ABN 25 001 306 369
 2/66 Gibbes Street,
 Chatswood NSW 2067
 AUSTRALIA

COURSEMASTER USA Inc.
 232 Richardson St,
 Greenpoint.
 NEW YORK 11222 USA

Distributed by:

Agenzia
 ufficiale per
 l'Italia :

Apelmar
 technology S.r.l.

Telefono 010 870058 r.a.
 Telefax 010 870248
 e-mail: apelmar@koden.it
<http://www.koden.it>