dockmate®

LIST OF SUPPORTED CONTROLS

For Rev G+ Receivers

DOCKING *made* EASY

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https://library.dockmate.eu

1. FOREWORD

This is a list of supported controls for Dockmate Receiver G+ and DockControl2 software.

CONTENTS

2. DESCRIPTION AND SYMBOLS

Tables consist of 4 columns:

- **Brand** - Name of manufacturer (Example: Volvo Penta, Twin Disc, Sleipner)
- **Version** - Name of specific system (example: EVC-C, EC300, S-Link)
- **Supported Elements** - Elements of the system that are supported
- **Manual ID + Kit ID + Remarks** - ID of the manual and additional information about the system

Symbols that can appear in Supported Elements:

System Integration

Dockmate Approved Integration – Control system is supported and approved by Dockmate.

Currently Not Supported Integration – Control system is not yet supported but might be in the future.

Permanently Unsupported Integration – Control system is not supported and will not be in the future.

Take Command

These symbols show if Dockmate can take command in specific system or if taking command is not available on the system.

Throttle Control

These symbols show if Dockmate can control throttle on engine systems.

Proportional Control

These symbols apply to thruster panels and show Dockmate can proportionally control speed of thrusters.

Dockmate Positioning System

These symbols apply to control systems (both engines and thrusters) that can be controlled by Dockmate Positioning System.

In engine systems, on joysticks (Volvo Penta) **Take Command** is only partially supported if not all joysticks are connected to a Dockmate External CAN Interface. Full **Take Command** support requires an Interface for each helm.

When no **Take Command** is supported Dockmate has to be connected to the helm station that is most often used during docking.

When a specific engine control system is supported, changing gear is automatically supported.

Dockmate Positioning System always requires compatible engine controls.

For twin engine boats, DPS compatible thruster controls are only required for DPS Precision Mode. No thrusters are required for DPS Ocean Mode.

For single engine boats, DPS compatible thruster controls are required for all DPS operating modes.

3. DOCKMATE POSITIONING SYSTEM

Support for the Dockmate positioning system needs to be carefully evaluated – taking into account the engine control system, thruster control system(s), engine configuration (single, twin engine, inboard, outboards) and thruster configuration (only bow, bow and stern, no thrusters…).

This affects the availability of the DPS System and which of the Modes will be available.

Dockmate Positioning System is **not supported** on inboard engines with **Mechanical Gearboxes**. The system will command a lot of gear-in / gear-out commands leading to premature wear and or / gearbox damage.

3.1. DPS COMPATIBILITY EVALUATION

Evaluating the boats capability can be challenging. General requirements are:

- Dockmate connected to levers (joystick connections not supported).
- For twin engine boats, both engines have to be identical. Configurations with for example one diesel, one electric are not supported.

Below, there are general dynamics of the boat that can be measured using the onboard navigation equipment and a stopwatch, that will help to evaluate basic power capabilities of the boat.

If the requirements below aren't satisfied, it will be impossible to calibrate the system, which results in poor customer satisfaction – being unable to deliver promised modes of operation or DPS altogether. This is most important for precision mode, as many of the customers want it, but many of the boats are not equipped to handle this mode.

3.1.1. PRECISION MODE REQUIREMENTS

Boat must have one of the following configurations:

- Twin engines, two CAN-controlled proportional thrusters.
- Catamaran with twin engines and CAN-controlled proportional bow thruster.
- Mono haul with 2 outboards and CAN-controlled proportional bow thruster (in board are not supported in this configuration).
- Single engine with two CAN-controlled proportional thrusters.

Boat must meet all of the following requirements:

- When using throttles, the boat is able to accelerate to at least 2kn in a timespan of 6s.
- Thrusters are able to accelerate boat's rotation speed to at least 2.5°/s in a timespan of 6s.
- Thrusters are able to accelerate the boat sideways to 1kn in a timespan of 15s max.
    - Thrusters are able to maintain this sideways speed of 0.5kn for 1min straight without overheating or depleting the battery.
- For supported configurations with bow thruster only:
    - The boat is able to move sideways using "engine trick" with a speed of at least 0.5kn without changing the heading significantly (less than 1°/s)

3.1.2. OCEAN MODE REQUIREMENTS

Twin Engine boat:

- Needs to be able to turn at least 5°/s after 10s of engine use.
- Needs to accelerate to at least 2kn in 6s.

Single Engine boat:

- Needs to accelerate to at least 2kn in 6s.
- Needs to be able to turn at least 5°/s after 10s of thruster use.

4. LIST OF SUPPORTED ENGINE CONTROLS

Brand	Version	Supported Elements	Manual ID + Remarks
Volvo Penta	EDC 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-VPBCL**  Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.02.01** One cable per engine
	EVC -B -C 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-VPBCL**  Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cables:** **ECA-04.02.01 – EVC-B** **ECA-04.02.02 – EVC-C** One cable per engine
	EVC-C 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-VPBCL**  Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cables:** **ECA-04.02.01** **ECA-04.02.02** Has two plug variants – check the type of plugs One cable per engine
	EVC -D -E 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPDEL** CAN bus System **KIT: GP-EMC-K-07.01-I-xE-Hx** Can connect to Volvo Penta Gateway Check sticker on the engine in the engine room to verify if it's EVC-E or EVC 2.0 system Can connect to side-mounted levers

Brand	Version	Supported Elements	Manual ID + Remarks
Volvo Penta	Joystick -B -C 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPCDEJ** CAN bus System **KIT: GP-EMC-VPJ-K-01.02-I-Hx (C)**
	Joystick -C -D -E 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPCDEJ** CAN bus System **KIT: GP-EMC-VPJ-K-01.01-I-Hx** Check sticker on the engine in the engine room to verify if it's EVC-E or EVC 2.0 system
	Joystick 2.0 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-EC-VPJ20** CAN bus System **KIT: GP-EMC-VPJ2-GW-K-01.01-I-Hx** **+ GP-EMC-AK-VPJ2-GW-I-Hx** **Requires TJS Gateway** Check sticker on the engine in the engine room to verify if it's EVC-E or EVC 2.0 system Connects to 1 station only
	EVC 2.0 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPL20** CAN bus System **KIT: GP-EMC-K-07.09-I-xE-Hx** **Requires TJS Gateway** Check sticker on the engine in the engine room to verify if it's EVC-E or EVC 2.0 system The gateway allows shifting gears and throttle up to 1400rpm TJS Gateway is not compatible with a standalone HCU like for an aft station

Brand	Version	Supported Elements	Manual ID + Remarks
Yamaha	Helm Master Levers 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPDEL** CAN bus System **KIT: GP-EMC-K-07.01-I-xE-Hx**
	Helm Master Joystick 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VPCDEJ** CAN bus System **KIT: GP-EMC-VPJ-K-01.01-I-Hx**
	Analogue 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-IMY** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.05.03.01/02** One cable per system
	Helm Master EX Joystick 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-EC-YHEXJ** CAN bus System **KIT: GP-EMC-HMEXJ-K-01-I-Hx**
	Helm Master EX Control Head 	CURRENTLY NOT SUPPORTED INTEGRATION	**Not Supported yet**

Brand	Version	Supported Elements	Manual ID + Remarks
Twin Disc	EC300 Analogue 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-TDECA** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cables:** **ECA-04.09.01.01/02 – Deutsch plugs** **ECA-04.09.01.03/04 – Round 23-pin** One cable per system
	EC200 EC300 Analogue 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-TDECA** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cables:** **ECA-04.09.01.01/02 – Deutsch plugs** **ECA-04.09.01.03/04 – Round 23-pin** One cable per system
	EC150 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-TDECA** Analogue System  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.09.01.05/06** One cable per system
	Digital Control Head EC300, EC600  Express Joystick (EJS) 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-EC300** CAN bus System **KIT: GP-EMC-K-07.16-I-xE-Hx** Dockmate is connected to the control head 

<table>
<tr><th>Brand</th><th>Version</th><th>Supported Elements</th><th>Manual ID + Remarks</th></tr>
<tr><td>Nanni</td><td>Marex ECS
  </td><td>DOCKMATE APPROVED INTEGRATION
THROTTLE CONTROL SUPPORTED
TAKE COMMAND SUPPORTED
DPS DOCKMATE POSITIONING SYSTEM SUPPORTED</td><td>Manual: GP-EC-AMECS
CAN bus System
KIT: GP-EMC-K-07.06-I-xE-Hx
  </td></tr>
<tr><td rowspan="3">Emerson Aventics MAN Rexroth</td><td>Aventics Marex ECS
  </td><td>DOCKMATE APPROVED INTEGRATION
THROTTLE CONTROL SUPPORTED
TAKE COMMAND SUPPORTED
DPS DOCKMATE POSITIONING SYSTEM SUPPORTED</td><td>Manual: GP-EC-AMECS
CAN bus System
KIT: GP-EMC-K-07.06-I-xE-Hx
  </td></tr>
<tr><td rowspan="2">Rexroth, Aventics,
MAN Marex OS II & III
  </td><td rowspan="2">DOCKMATE APPROVED INTEGRATION
THROTTLE CONTROL SUPPORTED
TAKE COMMAND SUPPORTED
DPS DOCKMATE POSITIONING SYSTEM SUPPORTED</td><td>Manual: GP-EC-EMOS
CAN bus System
KIT: GP-EMC-K-07.22-I-2E-H4
Software version of the Marex system
must be 7 or higher
Version number can be found on
Marex computer located In the engine room
For systems not compatible
use old Integration located below
  </td></tr>
<tr><td>Manual: GP-EC-RRM
CAN bus System
KIT: GP-EMC-K-07.08-I-2E-Hx
Software version of the Marex system
must be lower than 7
Version number can be found on
Marex computer located In the engine room
For newer systems
use new integration located above
  </td></tr>
</table>

Brand	Version	Supported Elements	Manual ID + Remarks
Emerson Aventics MAN Rexroth	MAN OS II & III 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-EMOS** CAN bus System **KIT: GP-EMC-K-07.22-I-2E-H4** Software version of the Marex system must be **7 or higher** Version number can be found on Marex computer located In the engine room For systems not compatible use old Integration located below 
			Manual: GP-EC-RRM CAN bus System **KIT: GP-EMC-K-07.08-I-2E-Hx** Software version of the Marex system must be **lower than 7** Version number can be found on Marex computer located In the engine room For newer systems use new integration located above 
	Rexroth Analogue 12-pin 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-RR** Analogue System  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.04.01** One cable per system
MTU	MTU Analogue 17-pin 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-RR** Analogue System  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.05.01.GP** One cable per system

<table>
<tr><th>Brand</th><th>Version</th><th>Supported Elements</th><th>Manual ID + Remarks</th></tr>
<tr><td rowspan="3">MTU</td><td rowspan="2">MTU Marex
OS II & III
  </td><td rowspan="2">DOCKMATE APPROVED INTEGRATION
THROTTLE CONTROL SUPPORTED
TAKE COMMAND SUPPORTED
DPS DOCKMATE POSITIONING SYSTEM SUPPORTED</td><td>Manual: GP-EC-EMOS
CAN bus System
KIT: GP-EMC-K-07.22-I-2E-H4
Software version of the Marex system
must be 7 or higher
Version number can be found on
Marex computer located In the engine room
For systems not compatible
use old Integration located below
  </td></tr>
<tr><td>Manual: GP-EC-RRM
CAN bus System
KIT: GP-EMC-K-07.08-I-2E-Hx
Software version of the Marex system
must be lower than 7
Version number can be found on
Marex computer located In the engine room
For newer systems
use new integration located above
  </td></tr>
<tr><td>Blue Vision
  </td><td>DOCKMATE APPROVED INTEGRATION
THROTTLE CONTROL SUPPORTED
TAKE COMMAND SUPPORTED
DPS DOCKMATE POSITIONING SYSTEM SUPPORTED</td><td>Manual: GP-EC-MTU
CAN bus System
KIT: GP-EMC-K-07.14-I-2E-Hx
  </td></tr>
<tr><td>Rexroth</td><td>Marex SB
  </td><td>CURRENTLY NOT SUPPORTED INTEGRATION</td><td>Not supported yet</td></tr>
</table>

Brand	Version	Supported Elements	Manual ID + Remarks
Ultraflex	Power A Mark II 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-UFAMK2** CAN bus System **KIT: GP-EMC-K-07.05-I-xE-Hx** 
	Power C 	Permanently Unsupported Integration	Permanently unsupported integration
NHK MEC, Teleflex, Morse	KE4, KE5, KE6 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EA-TMKE** Analogue System  **KIT ID: GP-EMA-SC-K-I-2E-Hx** **Cable ID: ECA-04.02.03.01/02** One cable per system
	KE4+, KE5+, KE6+ 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-TMKEP** CAN bus System **KIT: GP-EMC-K-06.03-I-xE-Hx** 
Teleflex	EC 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EA-TEC** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.01.05.01/02** One cable per system

Brand	Version	Supported Elements	Manual ID + Remarks
Teleflex, Seastar	i6x00, i7x00 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-TSI7** CAN bus System **KIT: GP-EMC-K-07.10-I-xE-Hx**  These control heads look the same
Teleflex	i6000 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-TFI6** Analogue System  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.10.01/02** One cable per system These control heads look the same
Yanmar	CAN 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-YM** CAN bus System **KIT: GP-EMC-K-07.07-I-xE-Hx**  These control heads look the same
	VC10 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-VC10** Analogue System  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.01.02.01/02/03** One cable per system
	VC20 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-VC20** CAN bus System **KIT: GP-EMC-K-07.13-I-xE-Hx** 

Brand	Version	Supported Elements	Manual ID + Remarks
ZF	MicroCommander ClearCommand CruiseCommand MiniCommand 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-ZFA** Analogue Systems Two connection variants  **KIT: GP-EMA-SC-K-I-2E-Hx** **Cables:** **ECA-04.01.01.01/02 – Forks** **ECA-04.01.01.03/04 – Deutsch** One cable per system
	SmartCommand with OBOF panel 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-OBOF** Analogue System Connection through OBOF panel **KIT: GP-EMA-SC-K-I-2E-Hx** **+ ECC-OBOF-01 required** **Cable: ECA-04.01.03.01/02** One cable per system
	SmartCommand 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-SC** CAN bus System **KIT: GP-EMC-K-07.17-I-xE-Hx** 
	Joystick Manoeuvring System 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-EC-JMS** CAN bus System **KIT: GP-EMC-JMS-K-01-I-Hx** 

Brand	Version	Supported Elements	Manual ID + Remarks
Kobelt	6505S 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-KBT** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** No plug 'n' play cable **Cable: C-11.02** One cable per engine
	Old Control Heads 	PERMANENTLY UNSUPPORTED INTEGRATION	Permanently unsupported integration
Hydronautica	Hydronautica 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-HNT** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** No plug 'n' play cable **Cable: C-11.02** One cable per engine
Kwant Controls	Analogue Controls 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-KWT** Analogue System Check which output is used on the Kwant Controls you want to use **KIT: GP-EMA-SC-K-I-2E-Hx** No plug 'n' play cable **Cable: C-11.02** One cable per engine

Brand	Version	Supported Elements	Manual ID + Remarks
Glendinning, Cummins			

If the installed system is **CC1** and **uses 6 stations** (for example: 3 control heads and 3 joysticks) Dockmate has to be installed using **GP-EC-GCCMS Manual** – Multi-station variant and kit with **ID: GP-EMC-K-06.01MS-I-xE-Hx**

Glendinning makes two versions of CAN bus controls, called CC1 (Complete Controls 1, available since 2003) and CC2 (Complete Controls 2, available since 2019). Both CC1 and CC2 can use either CH2001 (the older "standard" control head) or Genesys (the newer version of control head)

There are several ways to identify which version of Complete Controls you are dealing with:

- What is the brand? Cummins branded CC are always CC1. Glendinning branded can be CC1 or CC2.
- When was the system installed?
  - CC1 is available since 2003 and is still sold and installed today.
  - CC2 is available since 2019. Bare in mind CC1 is also still sold and installed today.
- Which components are used?
  - CC1 systems include any of the following components:
    - EEC3 or EEC4 Control Processor (for electronic throttle + electronic shift applications.
    - Smart Actuator 1 or 2 (for mechanical throttle and shifting applications).
  - CC2 systems include any of the following components:
    - Engine Controllers.
    - Actuators.
    - Hydraulic valve controllers.
    - Smart Actuator 4.
- What is the application?
  Both CC1 and CC2 support the following applications:
  - Inboards.
  - Outboards
  - Sterndrives.

  CC2 also supports the following applications
  - Electric propulsion.
  - Waterjet propulsion.
  - Controllable pitch propellers (CPP).
  - Etc…
- What is the part number of the control head? (to be found on the bottom of the control head)
  - Cummins branded systems are always CC1.
  - If the CH part number starts with 11413-xxx, 11415-xxx, or 11416-xxx, then it's CC1.
  - If the part number starts with 5 digits and a "J" (i.e. 11419J-xxx), then it's CC2.
  - If the CH part number starts with 11419-xxx, then it could be CC1 or CC2.
- What is the serial number?
  With the serial number you or we can ask Glendinning if the system is CC1 or CC2.

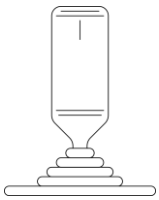
Before CC1, Glendinning supplied 2 systems that used control heads that look like CH2001 (used by CC1 and CC2), but that don't use CAN and are not compatible with Dockmate: "NBS" (or "Model 1000"), and "EEC2001".

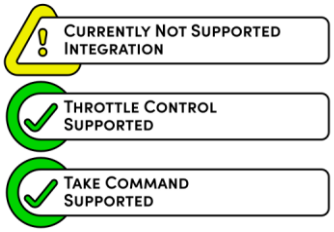
Brand	Version	Supported Elements	Manual ID + Remarks
Glendinning	EEC1000 	Permanently Unsupported Integration	Permanently unsupported integration
	Complete Controls 1 or 2 – CC1 Typical Head: CH2001 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-GCC** CAN bus System **KIT: GP-EMC-K-06.01-I-xE-Hx** 
	Pro Pilot CC1 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-GCC** CAN bus System **KIT: GP-EMC-K-06.01-I-xE-Hx** Dockmate is connected to the control head 
	Complete Controls 1 or 2 – CC2 Typical Head: Genesys 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-GCC** CAN bus System **KIT: GP-EMC-K-07.15-I-xE-Hx** 
	Pro Pilot CC2 	Dockmate Approved Integration Throttle Control Supported Take Command Supported DPS Dockmate Positioning System Supported	**Manual: GP-EC-GCC** CAN bus System **KIT: GP-EMC-CC2J-K-01-I-Hx** Dockmate is connected to the control head 

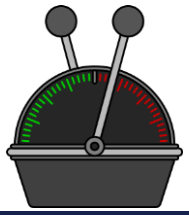
Brand	Version	Supported Elements	Manual ID + Remarks
Cummins	Cummins Based on Glendinning CC1 CH2001 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-GCC** CAN bus System **KIT: GP-EMC-K-06.01-I-xE-Hx** 
Sturdy MTU	Sturdy with Emergency Manual Control Panel 	PERMANENTLY UNSUPPORTED INTEGRATION	Permanently unsupported integration
Mercury	DTS 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-MDTS** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.06.01** One cable per engine
	ERC DTS Gen 2 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	⚠ **Manual: GP-EC-MEDG2** CAN bus System **KIT: GP-EMC-K-07.27-I-xE-Hx** Limitation applies for stern thrusters and anchor winches configuration / availability

Brand	Version	Supported Elements	Manual ID + Remarks
Mercury	Mercury Joystick Piloting 1 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-MJ1** Analogue System **KIT: GP-EMA-MZJ-K-I-01** **Cable: ECA-MZJ-01** One cable per system
	Mercury Joystick Piloting 2 	THROTTLE CONTROL SUPPORTED DOCKMATE APPROVED INTEGRATION TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-EC-MJ2** CAN bus System **KIT: GP-EMC-MJ2-K-01-I-Hx**
Silent-Yachts	IOX-D Remote Control Interface SILENT YACHTS	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-IOXD** CAN bus System **KIT: GP-EMC-K-07.12-I-2E-Hx** Silent-Yachts needs to be equipped with their IOX-D Remote Control Interface
Suzuki	Precision Control 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-SPC** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.14.01** One cable per system
	Precision Control 2022 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-SPC** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.17.01** One cable per system

Brand	Version	Supported Elements	Manual ID + Remarks
Honda	Analogue Controls 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-HAA** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** No plug 'n' play cable **Cable: C-11.02** One cable per engine
Caterpillar	MCPS 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-MCPS** CAN bus System **KIT: GP-EMC-K-07.04-I-xE-Hx** 
Flexball / Vetus	4x00 / EC4 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-FB** CAN bus System **KIT: GP-EMC-K-06.01-I-xE-Hx** 
Vetus	Pro-Docker 	PERMANENTLY UNSUPPORTED INTEGRATION	**Manual: GP-EA-VPDJ** Permanently unsupported integration
Bellmarine	Bell-Control  	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EA-BMBC** Analogue System **KIT: GP-EMA-SC-K-I-2E-Hx** **Cable: ECA-04.01.04** One cable per engine

Brand	Version	Supported Elements	Manual ID + Remarks
Latham DDEC	Latham 	PERMANENTLY UNSUPPORTED INTEGRATION	Permanently unsupported integration
Kräutler	EC4 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-KREC** CAN bus System **KIT: GP-EMC-K-07.28-I-xE-Hx**
Hydrosta	HYDROSTA	CURRENTLY NOT SUPPORTED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED	**Manual: GP-EC-HYD** CAN bus System **KIT: GP-EMC-K-07.26-I-xE-Hx (Control Head)** **KIT: GP-EMC-K-HYDSTJ-I-Hx (Joystick)** **Custom integration (case by case)**
Praxis Automation	Joystick 	CURRENTLY NOT SUPPORTED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED	**Manual: GP-EA-PXJ** Analogue System **KIT: GP-EMA-PXAJ-K-I-G5-7.5** **Custom integration (case by case)**
Hinckley	JetStick 4 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Installation Manual: GP-EC-HJS4** **User Manual: DGP-UM-HJS4** **KIT: GP-EMC-HJS4-K-01-I-Hx** CAN bus System
Molabo	EC4 	DOCKMATE APPROVED INTEGRATION THROTTLE CONTROL SUPPORTED TAKE COMMAND SUPPORTED DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-EC-MB** CAN bus System **KIT: GP-EMC-K-07.30-I-xE-Hx**

Brand	Version	Supported Elements	Manual ID + Remarks
Xenta	Control Head Joystick  		**Manual: GP-EC-XCS** CAN bus System **KIT: GP-EMC-K-07.29-I-xE-Hx**

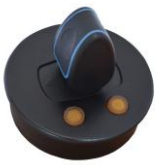
Other		Didn't find yours or having doubts about the type of controls? Please contact your local dealer

5. LIST OF SUPPORTED THRUSTERS

Brand	Version	Supported Elements	Manual ID + Remarks
Sleipner / Side-Power	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-SPOO** Analogue On-Off Panel **KIT: TMA-03.02.G** One module per thruster **Cable: TCA-03.02.01/02** One cable per panel
	S-Link 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-SPSL** Proportional CAN bus Panel **KIT: GP-TMC-K-SLINK**
Danfoss	Hydraulic 	DOCKMATE APPROVED INTEGRATION NO PROPORTIONAL CONTROL ADJUSTABLE ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-DFSH** Adjustable Analogue On-Off Panel **KIT: TMA-03.03.M.01.G** One module per thruster **Cable: TCA-03.03.09.01/02** One cable per panel Direct connection doesn't use pre-made cable
VETUS	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-VHO** Analogue On-Off Panel **KIT: TMA-03.03.M.00.G** One module per thruster **Cable: C-11.02** One cable per thruster
	Two step and / or hydraulic 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-VHO** Analogue On-Off Panel **KIT: TMA-03.03.M.00.G** One module per thruster **Cable: C-11.02** One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
VETUS	V-CAN BowPRO proportional 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-VVC** Proportional CAN bus Panel **KIT: GP-TMC-K-VCAN**
ABT	ABT On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-ABT-NAIAD** Analogue On-Off Panel **KIT: TMA-03.03.M.02.G** One module per thruster **Cable: C-11.02** One cable per thruster
	ABT proportional 	DOCKMATE APPROVED INTEGRATION NO PROPORTIONAL CONTROL ADJUSTABLE ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-ABT-NAIAD** Adjustable Analogue On-Off Panel **KIT: TMA-03.03.M.02.G** One module per thruster **Cable: C-11.02** One cable per thruster
	ABT CAN 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-ABTC** Proportional CAN bus Panel **KIT: GP-TMC-K-ABT-TRAC**
Quick, QS Seamaster	On-off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-QTOO** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: TCA-03.03.04** One cable per thruster

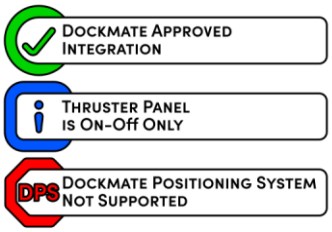
Brand	Version	Supported Elements	Manual ID + Remarks
Quick / QS Seamaster	PCS, DPMS 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-QPCS** Proportional CAN bus Panel **KIT: GP-TMC-K-QUICK-PCS** Can additionally control PCS winch
CMC	CMC proportional 	DOCKMATE APPROVED INTEGRATION NO PROPORTIONAL CONTROL ADJUSTABLE ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-CMC** Adjustable Analogue On-Off Panel **KIT: TMA-03.03.M.01.G** One module per thruster **Cable: TCA-03.03.01** One cable per thruster
	CMC CANopen 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-CMCCO** Proportional CAN bus Panel **KIT: GP-TMC-K-CMC-CANopen**
	CMC TCP-IP 	PERMANENTLY UNSUPPORTED INTEGRATION	Not Supported
BCS	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-BCSOO** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: TCA-03.03.02** One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
BCS	Proportional 	DOCKMATE APPROVED INTEGRATION NO PROPORTIONAL CONTROL ADJUSTABLE ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-BCSP** Adjustable Analogue On-Off Panel **KIT: TMA-03.03.M.01.G** One module per thruster **Cable: C-11.02** One cable per thruster Connect with screw terminals 
Max Power	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-MPOO** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: TCA-03.03.06** One cable per thruster
	ECO proportional thrusters 	IN PROGRESS INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-MPECO** Proportional CAN bus Panel **KIT: No kit yet**
Craftsman	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-CMANOO** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: TCA-03.03.05** One cable per thruster
Wesmar	Hydraulic proportional thrusters 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-WSR** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: C-11.02** One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
Kobelt, Keypower	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-KBKH** Analogue On-Off Panel **KIT: TMA-03.03.M.01** One module per thruster **Cable: C-11.02** One cable per thruster
	Proportional 	CURRENTLY NOT SUPPORTED INTEGRATION	Not supported yet
		CURRENTLY NOT SUPPORTED INTEGRATION	Not supported yet
Keypower	On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-KPOO** Analogue On-Off Panel **KIT: TMA-03.02.G** One module per thruster **Cable: C-11.02** One cable per thruster
Engbo	XForce 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-EXF** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: C-11.02** One cable per thruster
Lewmar	Electric On-Off 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-LMOO** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: TCA-03.03.03** One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
Lewmar	Hydraulic 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-LMH** Analogue On-Off Panel **KIT: TMA-03.03.M.00** One module per thruster **Cable: TCA-03.03.08** One cable per thruster
Proportional hydraulic thrusters		DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**ID: no id** Analogue On-Off Panel One module per thruster
Jet Thruster		DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	⚠ **Manual: GP-TA-JET** Analogue On-Off Thruster Panel One module per thruster Check what version of the Jet Thruster system is installed on the boat. Depending on Jet Thruster's system variant, special external relays interface may be required Check installation manual for identification guidelines
Data Hidrolik		DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-DHL** Analogue On-Off Panel **KIT: TMA-03.03.M.02 / TMA-03.01** One module per thruster **Cable: C-11.02** One cable per thruster **Only On-Off thruster is supported**
Hydrosta	Hydraulic 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL NOT SUPPORTED DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-HYDH** Analogue On-Off Panel **KIT: TMA-03.03.M.00** One module per thruster **Cable: C-11.02** One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
TryDo	Joystick Model S14 5kΩ	DOCKMATE APPROVED INTEGRATION NO PROPORTIONAL CONTROL ADJUSTABLE ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-TTJS14** Adjustable Analogue On-Off Panel **KIT: TMA-03.03.M.02** One module per thruster **Cable: C-11.02** One cable per thruster
Twin Disc	Digital Thruster Panel 	DOCKMATE APPROVED INTEGRATION PROPORTIONAL CONTROL SUPPORTED TAKE COMMAND SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TC-TDDTP** Proportional CAN bus Panel **KIT: GP-TMC-K-TDDTP-Hx**
Volvo Penta	QL 	DOCKMATE APPROVED INTEGRATION THRUSTER PANEL IS ON-OFF ONLY DPS DOCKMATE POSITIONING SYSTEM NOT SUPPORTED	**Manual: GP-TA-VPQLOO** Analogue On-Off Panel **KIT: TMA-03.02.G** One module per thruster **Cable: C-11.02** One cable per thruster
Linssen	Lippcon 	CURRENTLY NOT SUPPORTED INTEGRATION PROPORTIONAL CONTROL SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TA-LIPPCON** Proportional Analogue On-Off Panel **KIT: GP-TMA-PC-K-X-xT-G5-7.5-03.03.11** One module per system **Cable: TCA-03.03.11** (included in kit) One cable per thruster
Rim Drive Technology	Analogue 	CURRENTLY NOT SUPPORTED INTEGRATION PROPORTIONAL CONTROL SUPPORTED DPS DOCKMATE POSITIONING SYSTEM SUPPORTED	**Manual: GP-TA-LIPPCON** Proportional Analogue On-Off Panel **KIT: GP-TMA-PC-K-X-xT-G5-7.5-03.03.12** One module per system **Cable: TCA-03.03.12** (included in kit) One cable per thruster

Brand	Version	Supported Elements	Manual ID + Remarks
Generic brand	On-Off 		**Manual: GP-TA-GEN** Analogue On-Off Panel **KIT: TMA-03.01.G** One module per thruster **Cable: C-11.02** One cable per thruster
Others		Didn't find yours or having doubts about the type of controls? Please contact your local dealer	

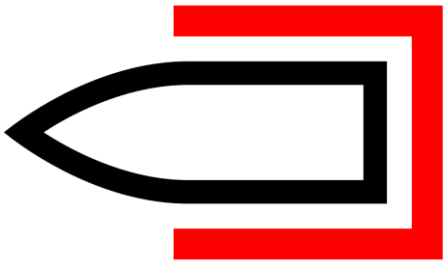
6. LIST OF SUPPORTED ANCHOR WINCHES

Brand	Version	Supported Elements	Manual ID + Remarks
Generic brand		DOCKMATE APPROVED INTEGRATION	**Manual: DGP-IM** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: C-11.02** One cable per anchor
ABT	ABT-TRAC Winch 	DOCKMATE APPROVED INTEGRATION	**Manual: GP-AA-ABTT** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: C-11.02** One cable per anchor
Maxwell	AA570, AA710, AA730 	DOCKMATE APPROVED INTEGRATION	**Manual: GP-AA-MWAAW** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: C-11.02** One cable per anchor
Quick	Chain Counter 	DOCKMATE APPROVED INTEGRATION	**Manual: GP-AA-QAWC** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: WCA-02.02** One cable per anchor
	CHC 1202M 	DOCKMATE APPROVED INTEGRATION	**Manual: GP-AA-QCC1202** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: C-11.02** One cable per anchor

Quick	PCS 	DOCKMATE APPROVED INTEGRATION TAKE COMMAND SUPPORTED	**Manual: GP-TC-QPCS** Requires Quick PCS Thrusters installed in order to operate
MZ Electronic		DOCKMATE APPROVED INTEGRATION	**Manual: No ID** Single or Twin Anchor **KIT: WMA-02.0x.G/GX** One module per system **Cable: WCA-02.01** One cable per anchor

Others		Didn't find yours or having doubts about the type of controls? Please contact your local dealer

The product and its installation requirements, as illustrated in this manual are subject to modification without prior notice.



dockmate®

EXPLORE THE WORLD

Leuvensesteenweg 177 – BE-3191 Boortmeerbeek – Belgium
VAT BE 0891.773.260 – Tel. +32 (0)15 43 39 94
info@dockmate.eu – www.dockmate.eu