

DEEPREY

For DEEP-DP121x

Model **POS 10 Cable**

POS 10 CABLE FOR DP121X

DEEPREY MARINE EQUIPEMENTS

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Rev. 1.02

IMPORTANT NOTICES

1. Legal and Compliance Statements

1.1. Regulatory Compliance:

This product has been tested and found to comply with the requirements set forth by regulatory authorities for the regions in which it is sold. These requirements may include, but are not limited to, compliance with the following:

- Federal Communications Commission (FCC) Rules, United States
- Conformité Européenne (CE) Marking, European Union
- Industry Canada (IC) Standards, Canada
- Other applicable regional or national regulations and standards



1.2. Safety Precautions and Guidelines:

Refer to the Safety Precautions and Warnings section of this manual for detailed information on safe use, handling, and maintenance of this product. Failure to adhere to these guidelines may result in personal injury or damage to the product and void the warranty.

2. Disclaimers

Deeprey does not warrant that this product is error-free or that it is compatible with products manufactured by any person or entity other than Deeprey.

Deeprey is not responsible for damages or injuries caused by your use or inability to use the product, by the interaction of the product with products manufactured by others, or by errors in information utilized by the product supplied by third parties.

Unauthorized Software and Modifications:

The user is strictly prohibited from installing, copying, or using pirated or unauthorized software, applications, or modifications on the Deeprey MFD. The manufacturer will not be held responsible for any damages, issues, or legal consequences resulting from the use of pirated or unauthorized software.

Violation of this policy may void the warranty, result in termination of support services, and expose the user to legal liabilities. Users are responsible for ensuring that all software installed on the Deeprey MFD is obtained from legitimate sources and complies with applicable licensing terms and conditions.

By using this product, you acknowledge and agree to comply with all applicable laws, regulations, and terms related to software licensing and intellectual property rights protection. Failure to do so may result in legal consequences, damages, or voiding of the product warranty.

3. Copyright Notice






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SAFETY INSTRUCTIONS






Be sure to observe the safety instructions

Be sure to observe the following instructions to prevent danger to yourself and others and damage to your property. The levels of danger and damage that may result when displayed contents are ignored or the equipment is used incorrectly are classified and indicated in this manual as shown below. Pay sufficient attention to those dangers and damage.

 WARNING	Indicates a condition that can cause death or serious injury if used incorrectly.
 CAUTION	Indicates a condition that can cause minor or moderate injury or damage to property if used incorrectly.
 Warning, Caution	 Prohibitive Action
	 Mandatory Action

 WARNING	
	Use the proper fuse. Use of a wrong fuse can result in serious accident or malfunction.
	Never disassemble or modify the equipment. Fire, electrical shock or injury can result.
	Immediately turn off the power at the switchboard if water leaks into the equipment. Fire or electrical shock can result.

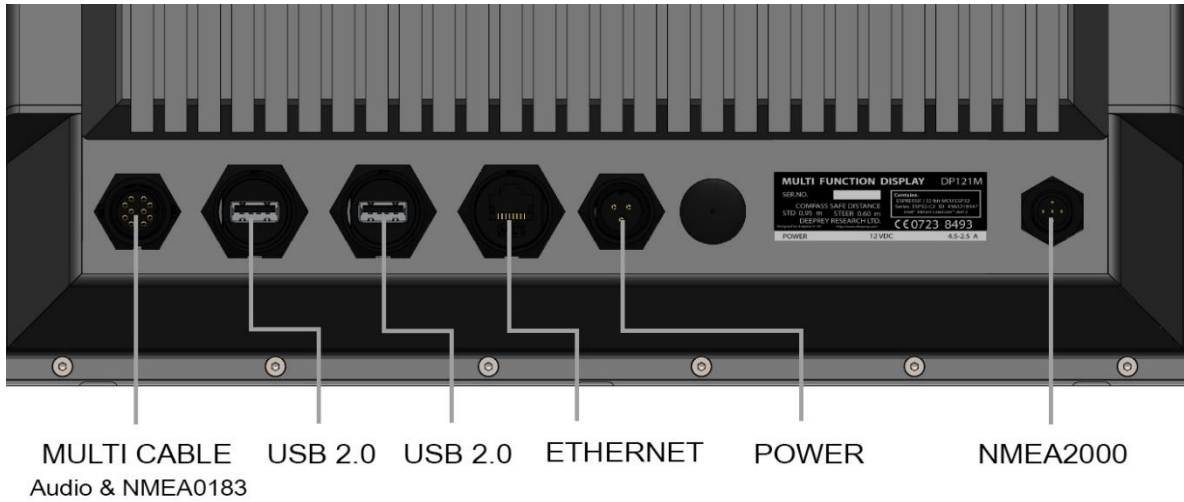
 CAUTION
<p>About plotting accuracy</p> <p>The plotting accuracy and response speed of this TT meet the International Maritime Organization (IMO) standards. Tracking accuracy is affected by the following.</p> <p>Tracking accuracy is not affected by slow course change of own ship. However, abrupt course change affects all tracking targets and one to two minutes is required to restore full accuracy for those targets. (The degree of impact depends on gyrocompass.)</p>

 WARNING	
	Do not place liquid-filled containers on the equipment. Fire or electrical shock can occur if liquid spills into the equipment.
	Never remove cover. High voltage is used inside. Electrical shock may result if you touch high voltage components. In case of malfunction, contact your dealer.
	Immediately turn off the power at the switchboard if the equipment is emitting smoke or fire. Fire or electrical shock can result. Be sure to contact your dealer.
	Do not operate the equipment with wet hands. Electrical shock can result.

Wiring

Main body (rear) interface

This equipment has two USB (Ver. 2.0) port and one ethernet port.



Note:

- Protect unused connectors by covering them with appropriate caps.
- To prevent cable and connector deterioration, plug or unplug them carefully

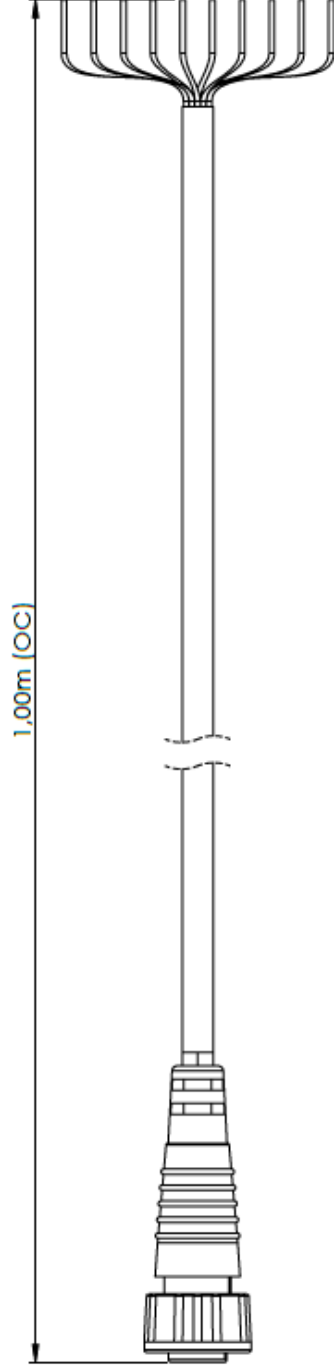
Multi cable

Use the multi cable to connect an external powered speaker and two NMEA0183 equipment. The multi cable has 10 core wires. Refer to the table for pin arrangement on the multi cable

Connector	Color	Remarks			
1	TX_01	Black	Nmea0183_01 Tx	RS232	
2	RX_01	Brown	Nmea0183_01 Rx		
3	TX_02	Red	Nmea0183_02 Tx	RS232	
4	RX_02	Orange	Nmea0183_02 Rx		
5	AUD L+	Yellow	Audio output Left +	Audio outputs	
6	AUD L-	Green	Audio output Left -		Left
7	AUD R+	Blue	Audio output Right +		Right
8	AUD R-	Gray	Audio output Right -		
9	GND_01	White	Nmea0183_01 Ground		
10	GND_02	Pink	Nmea0183_02 Ground		

The diagram shows a top-down view of the 10-core Multi Cable connector. The wires are arranged in a circular pattern and numbered 1 through 10, corresponding to the table above. The connector is a hexagonal shape with a central hub.

POS 10 CABLE FOR DP121X



Color def.	Type
Black	Tx_1
Brown	Rx_1
Red	Tx_2
Orange	Rx_2
Yellow	AUD L+
Green	AUD L-
Blue	AUD R+
Gray	AUD R-
White	GND_1
Pink	GND_2

RS-232 Connection

Use the Tx_1, Rx_1, and GND_1 wires to connect a device via RS-232.

Use the Tx_2, Rx_2, and GND_2 wires to connect a second device via RS-232.

Audio Connection

Use the AUD L+ and AUD L- wires for connecting to the left audio output.

Use the AUD R+ and AUD R- wires for connecting to the right audio output.

(OC) The standard length of the POS 10 cable is 1.00 meter (39.37 inches). For a customized length, please contact Deeprey's sales department.

DRAWN	27/11/2023	TITLE	POS10 cable
CHECKED		MATERIAL	
APPROVED		FINISH	
SCALE	1:1	UNITS	M
DWG.NO.		PROJECTED	
		REF.NO.	
		REV.	1.01

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