

PRE-RELEASE INFORMATION

MA-510TR



CLASS B AIS TRANSPONDER

Class B AIS Transponder with Navigation Function and NMEA 2000™ Connectivity

New Navigation function guides you to the specified waypoints (maximum 100 waypoints are selectable) or AIS targets

Wide viewing angle and high-luminance 4.3-inch color IPS TFT display readable under direct sunlight

INMEA 2000[™], NMEA 0183/-HS connectivity

Compatible with both 12 V and 24 V power sources

Man OverBoard (MOB) function and navigation to the MOB waypoint

AIS data can be output from a USB cable connector on the rear panel*

* A third party application and a connection cable are required.

Friends function displays pre-stored Friend ships in yellow on the display

Collision Alarm function sounds an alarm when the AIS target is closer than the set CPA/TCPA values

Anchor watch function sounds an alarm when your vessel is at anchor, and has drifted

Multi-lingual user interface (English, French, Indonesian, Spanish and Vietnamese)

Silent mode switches off the AIS transmitter for security and privacy

You can pick up AIS targets on the display and send Individual DSC Calls*

* A compatible Icom VHF radio (IC-M605/EURO or IC-M506/GE) is required.

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SPECIFICATIONS

GENERAL		
Frequency coverage		161.975 MHz and 162.025 MHz
Type of emission		16K0GXW (GMSK)
Antenna impedance		50 Ω (unbalanced)
Intermediate	AIS 1	1st: 21.700 MHz, 2nd: 450 kHz
frequency	AIS 2	1st: 30.150 MHz, 2nd: 450 kHz
Operating temp	erature range	-20°C to +60°C, -4°F to +140°F
Power supply requirement		Negative ground: 12 V or 24 V DC nominal
		(9.6 to 31.2 V)
Current drain (a		TX: 1.5 A, RX: 0.7 A
Dimensions (approximate) (Projections not included)		166.2 (W) × 110 (H) × 80 (D) mm,
Weight (approximate)		6.5 (W) × 4.3 (H) × 3.1 (D) inch
		700 g, 1.5 lb TRANSMITTER
Output power		2 W
Modulation		GMSK
IVIOUUIALIOIT		
Conducted spurious emission		Less than –36 dBm (9 kHz–1 GHz) Less than –30 dBm (1 GHz–4 GHz)
		RECEIVER (AIS)
		Less than –110 dBm
Adjacent channel selectivity		More than –31 dBm
Spurious respo		More than -31 dBm
Intermodulation		More than -36 dBm
Conducted spurious emission Blocking		Less than -57 dBm (9 kHz-1 GHz)
		Less than –47 dBm (1 GHz–4 GHz)
		More than -15 dBm (±0.5 MHz-±5 MHz)
		More than –23 dBm (±5 MHz–±10 MHz) More than –111 dBm
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Frequency cove		RECEIVER (DSC)
Frequency cove	erage	156.525 MHz
Type of emissio	erage	156.525 MHz 16K0G2B
Type of emission Sensitivity	erage	156.525 MHz 16K0G2B Less than –110 dBm
Type of emissio	erage	156.525 MHz 16K0G2B Less than –110 dBm More than 70 dB
Type of emission Sensitivity	erage on nel selectivity	156.525 MHz 16K0G2B Less than –110 dBm
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OPTIONS



For flush-mounting the MA-510TR to a flat surface, such as a control panel.

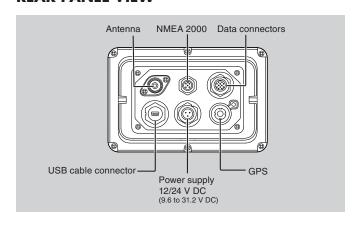


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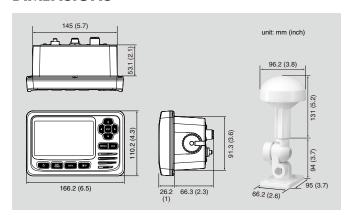
CS-MA510TR

PROGRAMMING SOFTWARE

REAR PANEL VIEW



DIMENSIONS



Supplied accessories: GPS antenna • DC power cable Mounting bracket kit

www.icom.co.jp/world

Your local distributor/dealer:

All stated specifications are subject to change without notice or obligation.

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