

WinFrog Device Group:	Sounder
Device Name/Model:	Simrad EN200
Device Manufacturer:	Kongsberg Simrad Mesotech Ltd. 1598 Kebet Way, Port Coquitlam, B.C. Canada, V3C 5M5 Tel: (604) 464-8144 Fax: (604) 941-5423 Kongsberg Simrad AS Postboks 483 3601 Kongsberg E-mail: sales.marketing@kongsberg-simrad.com Tel: 32 28 50 00 Fax : 32 73 59 87 http://www.simrad.ca/
Device Data String(s) Output to WinFrog:	First character of output string ignored. Second character of output string is Depth in metres. Status is set to good (in WinFrog), so all data is accepted.
WinFrog Data String(s) Output to Device:	N/A
WinFrog .raw Data Record Type(s):	Depth: Type 411 depth, status & dtime are repeated 15 times

DEVICE DESCRIPTION:

The Simrad EN 200 is a navigation echosounder with a dry-paper recorder unit. The EN 200 is available with a meter scale, however a feet/fathom scale is encased in the unit and can be initiated with the aid of a reed switch. WinFrog accepts metric depths from the EN 200.

DEVICE CONFIGURATION INSTRUCTIONS:

Baud Rate: Configurable up to 9600
Data Bits: Configurable
Stop Bits: Configurable
Parity: Configurable

Suggested communication parameters: 4800-8-N-1

Refer to the Configuration Details section below for more information on configuration of the EN200's interface parameters.

WINFROG I/O DEVICES > CONFIG OPTIONS:

The Simrad EN 200 is added to WinFrog from the SOUNDER device category. There is no configuration required or available at the "generic" I/O Device window level.

WINFROG VEHICLE - DEVICE > EDIT OPTIONS:

Adding the Simrad EN200 sounder to WinFrog creates a BOTTOMDEPTH data item that must be added to the appropriate vehicle's device list. Once the BOTTOMDEPTH data item has been added to a vehicle's device list, it must be edited to suit the application.

In the vehicle's device list, highlight the SOUNDER, SIMRAD EN-200, BOTTOMDEPTH data item and click the Edit button. The standard **Configure Sounder** dialog box appears. See documentation on the NMEA DEPTH Sounder device for more information on configuring this dialog box.

CONFIGURATION DETAILS:

It is good practice to install a ground connection between the connection point for transducer cable shielding and the ship's ground.

Transducers:

Two Transducers are available with the unit:

- 20°X20° (10cm x 10cm) with a 30m cable.
- 20°X10° (10cm x 20cm) with a 40m cable.

Note: The 20°X10° transducer has a beamwidth of 10° fore/aft, and 20° port/starboard.

Specifications:

Power: 110VDc or 220VDc at 40 Watts.

Communication Parameters:

Communication parameters are 'strapped' on U12 on the processor (PCB) board. Standard configuration is as follows:

