

Thank You

Thank you for choosing Humminbird®, the #1 name in fishfinders. Humminbird® has built its reputation by designing and manufacturing top-quality, thoroughly reliable marine equipment.

Overview

Use this guide to connect an Automatic Identification System (with an RS-232 hardware interface) to your Humminbird® Fishing System's port (NMEA 0183 sentences over RS-232). We encourage you to read this guide completely so that you may understand the connection requirements.

The connection is determined by the cable connector on the AIS data cable you have purchased.

- If the AIS data cable has a DE-9 connector, see *DE-9 Connection* and *Baud Rate*.
- If the AIS data cable has connection wires, see *Pigtail Connection* and *Baud Rate*.

DE-9 Connection

If the AIS equipment includes a data cable with a DE-9 connector, use the instructions in this section.

Required Supplies (not included): Humminbird® PC Connect Cable (AS-PC2), AIS data cable with a DE-9 connector, and a null modem adapter.

1. Turn off the power for the Humminbird® control head and the AIS.
2. **700 Series™ HD:** Insert the AS-PC2 cable's NMEA-COM connector into the COM connector on the Connector Holder. See the Connector Holder illustration on the next page.
2. **800, 900, and 1100 Series™:** Insert the AS-PC2 cable's NMEA-COM connector into the dual RS-232 port on the back of the Humminbird® control head. See the Rear View illustrations on the next page.
3. Connect the AS-PC2 cable's DE-9 connector (female) to the null modem.
4. See your AIS installation guide to connect the AIS data cable to the AIS.
5. Connect the AIS data cable's DE-9 connector to the null modem. See the illustration *Connecting the DE-9 to the Null Modem*.
6. See your AIS installation guide to connect power to the AIS equipment and finish the installation.

Pigtail Connection

If the AIS equipment includes a data cable with a pigtail, use the instructions in this section.

Required Supplies (not included): Humminbird® AS-HHGPS Cable, AIS data cable with pigtail.

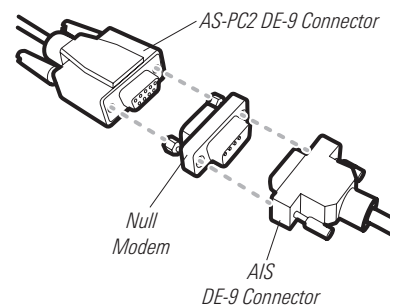
1. Turn off the power for the Humminbird® control head and the AIS.
2. Use your AIS installation guide to locate the transmit, receive, and ground wires on the AIS data cable.
3. Connect the AS-HHGPS wires to the AIS data cable wires as shown in the *Wiring Information* chart. Tape or apply heat-shrink insulation to each connection to prevent shorting the wiring.
4. Tape or apply heat shrink insulation to the red wire on the AS-HHGPS Cable.
5. Route the cable to the Humminbird® control head.

700 Series™ HD: Insert the AS-PC2 cable's NMEA-COM connector into the COM connector on the Connector Holder. See the Connector Holder illustration on the next page.

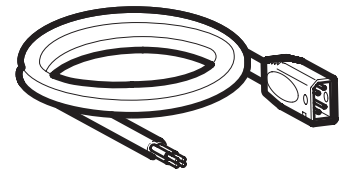
800, 900, and 1100 Series™: Insert the AS-PC2 cable's NMEA-COM connector into the dual RS-232 port on the back of the Humminbird® control head. See the Rear View illustrations on the next page.

6. Follow the instructions in the AIS manual to connect power to the AIS equipment and finish the installation.

Connecting the DE-9 to the Null Modem



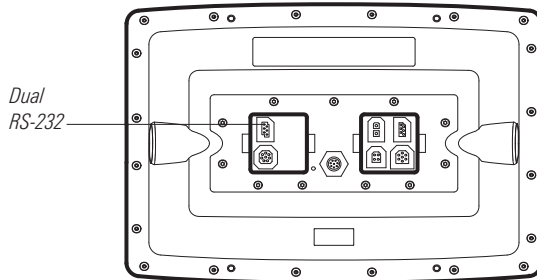
AS-HHGPS Cable with Pigtail



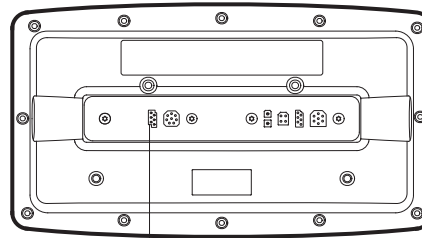
Wiring Information

Humminbird® AS-HHGPS Cable (RS-232)	AIS Data Cable (RS-232)
Green (Receive)	Transmit
White (Transmit)	Receive
Black (Ground)	Ground

1100 Series™ Rear View

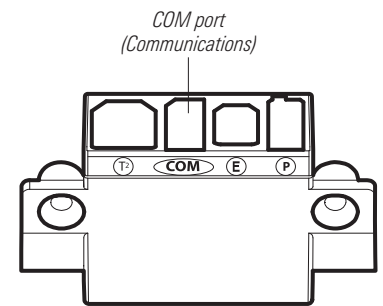


800 Series™ and 900 Series™ Rear View



Dual RS-232

700 Series™ HD Cable Connector Holder



Baud Rate

The 800, 900, and 1100 Series™ control heads have the following baud rates available: 4800, 9600, and 38400. If you have a 700 Series™ HD control head, it is important to confirm that the control head and AIS are communicating at the same baud rate.

NOTE: The following instructions do not apply to the 800, 900, and 1100 Series™ control heads.

700 Series™ HD Baud Rate Set Up

There are two options to configure the 700 Series™ HD control head and the AIS so that they communicate at the same baud rate, as follows:

- If NMEA 0183 Output is turned on for the 700 Series™ HD Fishing System operation, the control head is operating exclusively at a baud rate of 4800. To check the setting, press the MENU key twice to open the Main Menu. Select Setup tab > NMEA 0183 Output. Then, refer to your AIS installation guide to set the AIS baud rate to 4800.
- If NMEA 0183 Output is not required for the 700 Series™ HD Fishing System operation, turn off NMEA 0183 Output. Press the MENU key twice to open the Main Menu. Select Setup tab > NMEA 0183 Output > Off.

NOTE: If NMEA 0183 Output is off, baud rates 4800, 9600, and 38400 are available on the 700 Series™ HD Fishing System.

NOTE: The menu in your Fishing System will be called NMEA 0183 Output or NMEA Output. If the menu option is not shown under the Setup tab, make sure the User Mode is set to Advanced (Setup tab > User Mode > Advanced).

Contact Humminbird®

If you have questions about the installation, please contact our Customer Resource Center at **1-800-633-1468**. Our Customer Resource Center is available by phone, Monday - Friday, 8:00 a.m. - 4:30 p.m. Central Standard Time. We are also available by e-mail at service@humminbird.com (please allow 3 business days for a reply).