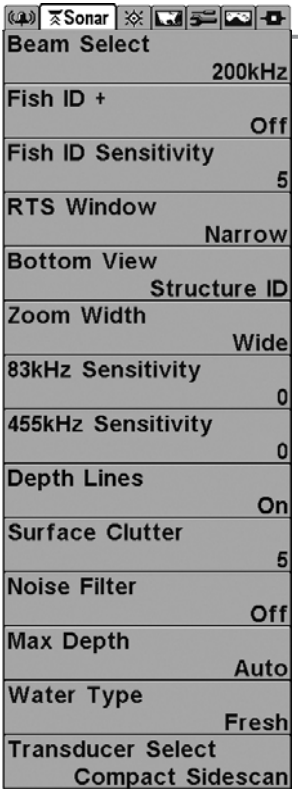
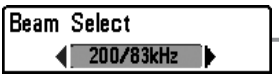


Sonar Menu

Sonar Menu Tab

Press the MENU key twice to access the Main Menu System and then press the RIGHT Cursor key to select the Sonar tab.

NOTE: *Menu choices will vary depending on system settings such as whether the unit is set for Advanced User mode or what transducer is currently selected.*



Beam Select

Beam Select sets which sonar returns from the transducer will be displayed on the screen.

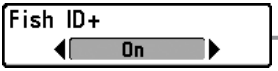
When set to **200/83 kHz**, the returns from both beams are blended by starting with the 83 kHz wide beam return, dimming it, and then overlaying it with the 200 kHz narrow beam return. The darker 200 kHz narrow beam sonar returns will stand out from the paler 83 kHz wide beam sonar returns. The Split Sonar View continues to display the sonar returns from each beam in their respective windows. The blended information is shown in the Sonar View, Sonar Zoom View and the Big Digits View. The RTS® Window in the Sonar View and the Circular Flasher View will only show the returns from the 200 kHz narrow beam.

When set to **200 kHz**, only the returns from the 200 kHz narrow beam will be displayed in the Sonar View, the Sonar Zoom View, the Big Digits View and the Circular Flasher View. The Split Sonar View will continue to display returns from both beams in their respective windows. The RTS® Window in the Sonar View will display the returns from the 200 kHz narrow beam.

When set to **83 kHz**, the returns from the 83 kHz wide beam will be displayed in the Sonar View, the Sonar Zoom View, the Big Digits View and the Circular Flasher View. The Split Sonar View will continue to display returns from both beams in their respective windows. The RTS® Window will display the returns from the 83 kHz wide beam.

<u>To use Beam Select:</u>

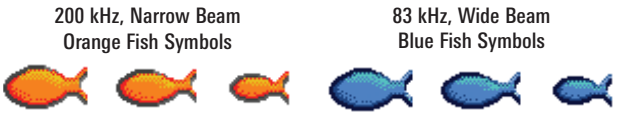
1. Highlight Beam Select on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to select either the 200 kHz beam, the 83 kHz beam or the 200/83 kHz beams. (200/83 kHz, 200 kHz, 83 kHz, Default = 200 kHz)



Fish ID+™

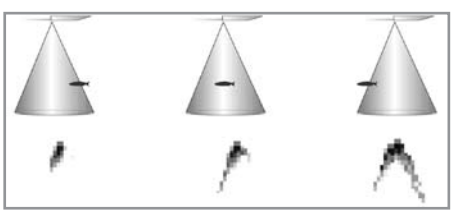
Fish ID+™ uses advanced signal processing to interpret sonar returns, and will display a Fish Symbol when very selective requirements are met. When a fish is detected, a fish icon and its depth are displayed above the return that has been classified as being a fish. Three different fish size icons represent the intensity of the sonar return, and provide an indicator of relative fish size.

DualBeam PLUS™ sonar models represent targets detected in the 200 kHz narrow beam as Orange Fish Symbols, and represent targets detected in the 83 kHz wide beam as Blue Fish Symbols.



When Fish ID+™ is turned off, the Fishing System shows only the raw sonar returns on the display. These returns will often result in "arches" forming on the display, indicating potential targets. Due to the transducer beam angle, the distance to a fish decreases as the fish moves into the beam, and then increases as it moves out again, creating a Fish Arch when this distance change is shown on the display. Boat speed, chart speed, and the position of the fish within the sonar beam greatly affect the shape of the arch.

Transducer Cone and Fish Arches



To turn Fish ID+™ on or off:

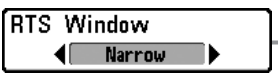
1. Highlight Fish ID+ on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to turn the Fish ID+™ setting On or Off. (Off, On, Default = Off)

Fish ID Sensitivity

Fish ID Sensitivity adjusts the threshold of the Fish ID+™ detection algorithms. Selecting a higher setting allows weaker returns to be displayed as fish. This is useful for identifying smaller fish species or baitfish. Selecting a lower setting displays fewer fish from weak sonar returns. This is helpful when seeking larger species of fish. Fish ID Sensitivity is used in conjunction with Fish ID+™. Fish ID+™ must be On for Fish ID Sensitivity to affect the ability of the Fishing System to identify sonar returns as fish.

To change the Fish ID Sensitivity setting:

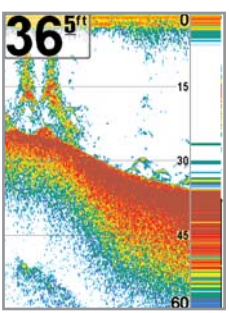
1. Highlight Fish ID Sensitivity on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Fish ID Sensitivity setting. (Low = 1, High = 10, Default = 5)



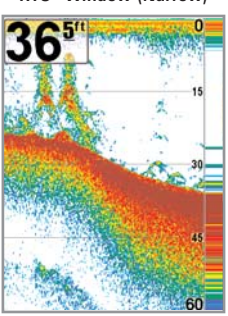
Real Time Sonar (RTS®) Window

RTS® Window sets the RTS® Window to either Wide or Narrow, or turns it off in the Sonar View. The RTS® Window always updates at the fastest rate possible and only displays returns that are within the transducer beam. (See ***Real Time Sonar (RTS®) Window*** for more information.)

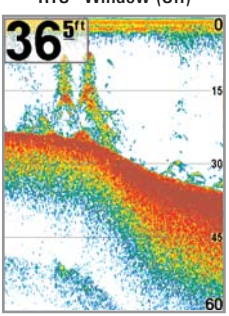
RTS® Window (Wide)



RTS® Window (Narrow)



RTS® Window (Off)



To change the RTS® Window setting:

1. Highlight RTS Window on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the RTS® Window setting. (Wide, Narrow, Off, Default = Narrow)

Bottom View

Bottom View selects the method used to represent bottom and structure on the display.

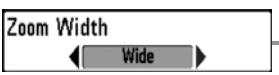
Structure ID® represents weak returns in blue and strong returns in red.

WhiteLine® highlights the strongest sonar returns in white resulting in a distinctive outline. This has the benefit of clearly defining the bottom on the display.

See ***Bottom Presentation*** for more information.

To adjust the Bottom View:

1. Highlight Bottom View on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Bottom View setting. (Structure ID®, WhiteLine®, Default = Structure ID®)

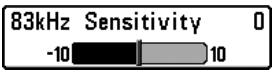


Zoom Width

Zoom Width adjusts the width of the Zoom window on the Sonar Zoom View.

To change the Zoom Width Setting:

1. Highlight Zoom Width on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Zoom Width setting. (Narrow, Medium, Wide, Default = Wide)



83 kHz Sensitivity

(Advanced)

83 kHz Sensitivity changes the sensitivity of the 83 kHz beam. Increasing the 83 kHz Sensitivity will display additional weak returns and decreasing the 83 kHz Sensitivity will display fewer weak returns. The 83 kHz Sensitivity menu choice is only available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

NOTE: *83 kHz Sensitivity is particularly useful for adjusting the sensitivity of the 83 kHz sonar returns in the 200/83kHz Split Sonar View. The 83kHz sensitivity can be adjusted without affecting the sensitivity of the 200 kHz returns shown in the 200 kHz sonar window.*

To set the 83 kHz Sensitivity:

1. Make sure you are in Advanced User Mode, then highlight 83 kHz Sensitivity on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to set the 83 kHz Sensitivity. (-10 to +10, Default = 0)

455 kHz Sensitivity

(Advanced: with QuadraBeam PLUS™ transducer)

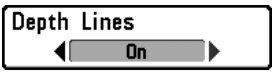
455 kHz Sensitivity adjusts the sensitivity of the 455 kHz beam. Increasing the sensitivity will display additional weak returns and decreasing the sensitivity will display fewer weak returns. A QuadraBeam PLUS™ transducer must be attached to the Fishing System. The 455 kHz Sensitivity menu choice is available when Transducer Select is set to QuadraBeam (see ***Sonar Menu Tab: Transducer Select***) and User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

NOTE: *The 455 kHz Sensitivity requires the purchase of the QuadraBeam PLUS™ transducer. You can visit our website at* ***www.humminbird.com*** *to order this accessory online or contact our Customer Resource Center at* ***1-800-633-1468****.*

NOTE: *455 kHz Sensitivity is particularly useful for adjusting the sensitivity of the 455 kHz sonar returns in the Side Beam View. The 455 kHz sensitivity can be adjusted without affecting the sensitivity of the 200 kHz returns shown in the 200 kHz sonar window.*

<u>To change the 455 kHz Sensitivity setting:</u>

1. Make sure you have selected QuadraBeam Transducer and Advanced Mode and that the QuadraBeam PLUS™ transducer is connected, then highlight 455 kHz Sensitivity on the Sonar Main Menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the 455 kHz Sensitivity. (-10 to +10, Default = 0)

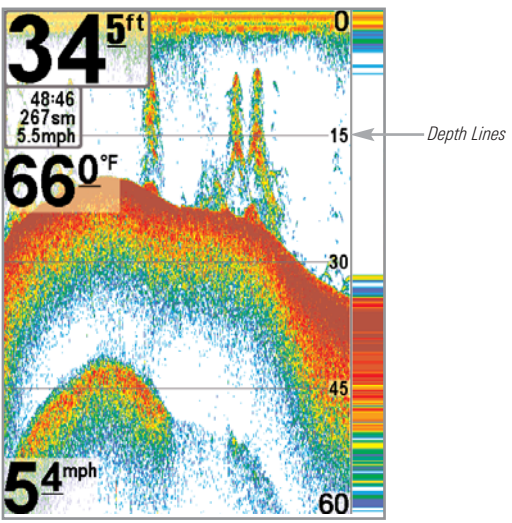


Depth Lines

(Advanced)

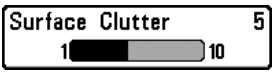
Depth Lines divide the display into four equal sections which are separated by three horizontal depth lines. The depth of each line is displayed along the depth scale. You can either turn Depth Lines On or Off. The Depth Lines menu choice is available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

Depth Lines



To change the Depth Lines setting:

1. Make sure you are in Advanced User Mode, then highlight Depth Lines on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to turn the Depth Lines setting On or Off. (Off, On, Default = On)

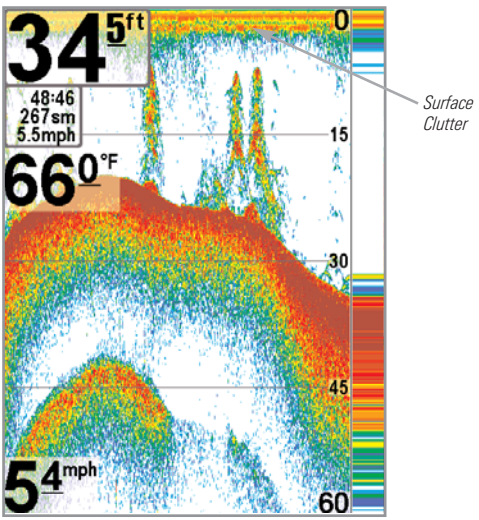


Surface Clutter

(Advanced)

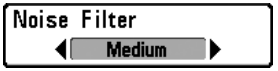
Surface Clutter adjusts the filter that removes surface clutter noise caused by algae and aeration. The lower the setting, the less surface clutter will be displayed. The Surface Clutter menu choice is available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

Surface Clutter



To change the Surface Clutter setting:

1. Make sure you are in Advanced User Mode, then highlight Surface Clutter on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Surface Clutter setting. (Low = 1 to High = 10, Default = 5)



Noise Filter

(Advanced)

Noise Filter adjusts the sonar Noise Filter to limit interference on the display from sources such as your boat engine, turbulence, or other sonar devices. The Noise Filter menu choice is available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

NOTE: The Off setting removes all filtering; Low, Medium and High1, High2, High3 settings add progressive filtering of the sonar returns. High1, High2 and High3 are useful when there is excessive trolling motor noise, but in some deep water situations, the High settings may actually hinder your unit's ability to find the bottom.

To change the Noise Filter setting:

1. Make sure you are in Advanced User Mode, then highlight Noise Filter on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Noise Filter setting. (Off, Low, Medium, High1, High2, High3, Default = Low)

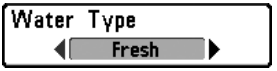
Max Depth

(Advanced)

Max Depth adjusts the maximum depth of operation. The performance of your Fishing System can be tuned to the maximum depth you will be fishing in by setting the Max Depth. When a maximum depth is set, your Fishing System will not attempt to acquire sonar data below that depth, thus increasing overall performance. When Max Depth is set to Auto, the Fishing System will acquire bottom readings as needed (within the capacity of the unit). If the bottom is deeper than the Max Depth setting, the digital depth readout will flash, indicating that the Fishing System cannot locate the bottom. The Max Depth menu choice is available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

To change the Max Depth setting:

1. Make sure you are in Advanced User Mode, then highlight Max Depth on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Max Depth setting. (AUTO, 10 to 1500 feet, 3 to 500 meters ***[International Models only]***, Default = AUTO)



Water Type

(Advanced)

Water Type configures your unit for operation in fresh or salt water. The Water Type menu choice is available when User Mode is set to Advanced (see ***Setup Menu Tab: User Mode***).

NOTE: *In salt water, what would be considered a large fish might be 2 to 10 times bigger than a large fish in fresh water (depending on the type of fish you are seeking). The salt water setting allows for a greater range in fish size adjustment to account for this. Also, make sure that the Water Type is set accurately, especially in salt water, as this affects the accuracy of deep water depth readings.*

To change the Water Type setting:

1. Make sure you are in Advanced User Mode, then highlight Water Type on the Sonar main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the Water Type setting. (Fresh, Salt, Default = Fresh)

Transducer Select

Transducer Select allows you to select which transducer you want to use (the Fishing System comes with a DualBeam PLUS™ transducer, and also supports the optional-purchase QuadraBeam PLUS™ transducer.)

To change the selected Transducer:

1. Highlight Transducer Select on the Sonar Main menu.
2. Use the LEFT or RIGHT 4-WAY Cursor Control keys to change the transducer selected. (Compact Side Scan, QuadBeam, Universal Sonar 2, Default = Compact Side Scan)