This easy-to-use selection guide is organized for you by the product that you currently have and by mounting style.

**STEP ONE:** The first thing you need to do is to locate your current product with which you are trying to match a transducer.

**STEP TWO:** After you find your current product, you can choose from the transducers that are designed to work with that unit.

**NOTE:** IF YOU DO NOT SEE your product or transducer, please go to Garmin.com. Your unit may have been discontinued. Garmin still supports discontinued products and you will find them listed at Garmin.com.

**WHAT IS MEANT BY “SPREAD SPECTRUM WITH CHIRP TECHNOLOGY”**?

Instead of using a single frequency like traditional sonar, Spread Spectrum with Chirp technology sweeps each pulse through a range of frequencies to deliver shallow-water-like target separation at extremely deep depths and at low frequencies. Garmin Spread Spectrum with Chirp technology used on the GSD 26 not only gives better target separation and resolution at extraordinary depths, but also allows fishermen to dial into specific frequencies to target certain species of sport fish. It offers significantly better target definition, bottom contours and noise suppression at greater depths than traditional models, and a more timely interpretation of what’s below for safer navigation and better fishing.

This image shows the depth and beamwidth differences between a single-element, 600 W transducer and a multiple-element, high-performance 1 kW transducer.

**CHOSE THE RIGHT MOUNTING STYLE**

Transducers are typically mounted in one of three ways: through the hull, inside the hull, or on the transom.

**Inside the Hull**

An in-hull transducer is installed inside the bilge of a boat hull and sends & receives its signal through the hull. Some people prefer this mounting style, because it is not necessary to drill through the hull. A unit cannot be damaged when a boat is trailered, the transducer is not exposed to marine growth, and there is no drag. Additionally, a transducer can be installed and serviced while the vessel is in the water. Most in-hull transducers are mounted inside a liquid filled tank that is first epoxied in place. As long as the water flow below the transducer is “turbulent free”, it will give great high-speed performance. However, not all hull types (cored hulls, steel hulls, etc.) are suitable for in-hull transducer installation. In-hull transducers are recommended only for solid fiberglass hulls.

**On the Transom**

Trailer boats typically use this mounting style, since it is out of the way of the rollers. Some people prefer a transom-mount because it is easy to install and remove a unit—especially if a kick-up bracket is used. Kick-up brackets move a transducer out of the way to prevent damage from floating debris when a boat is underway. They also protect the transducer when the boat is trailered, or when it is kept in the water for long periods of time. To obtain the best possible performance, install all transducers according to the included installation instructions. If you experience difficulty during the installation, contact Garmin Product Support, or seek the advice of a professional installer.

**Through the Hull**

Flush Mounts sit flush or nearly flush with the boat hull and are recommended for smaller boats with a minimum deadrise angle. They are often installed on sailing vessels for their minimal drag.

External Mounts extend beyond the hull surface and usually require a fairing to aim the sound beam vertically and are for larger un-trailer vessels. When installed with a High-Performance Fairing, the transducer face is flush with the surface of the fairing and parallel to the waterline, resulting in a truly vertical beam, putting maximum energy on the target. Mounting in “clean water,” forward of propellers and running gear, produces the most effective signal return.

To obtain the best possible performance, install all transducers according to the included installation instructions. If you experience difficulty during the installation, contact Garmin Product Support, or seek the advice of a professional installer.
### Thru-Hull Transducers for Use with the ECHO Fishfinder Series

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Picture</th>
<th>Description</th>
<th>Garmin P/N</th>
<th>Freq. (kHz)</th>
<th>Power</th>
<th>Max Depth (ft.)</th>
<th>Drop (º)</th>
<th>Lenth (ft.)</th>
<th>Required?</th>
<th>Garmin Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trolling Transom Mount</td>
<td>Garmin Dual Beam</td>
<td>6-pin sounder</td>
<td>010-10279-00</td>
<td>50/200</td>
<td>500W</td>
<td>0-30</td>
<td>0-70</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Trolling Transom Mount</td>
<td>Garmin Dual Beam</td>
<td>with temp</td>
<td>010-10193-00</td>
<td>50/200</td>
<td>600W</td>
<td>0-30</td>
<td>0-70</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
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<td>Garmin Dual Beam</td>
<td>with temperature</td>
<td>010-10193-01</td>
<td>50/200</td>
<td>600W</td>
<td>0-30</td>
<td>0-70</td>
<td>N/A</td>
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### Thru-Hull Transducers for Use with the GPSMAP 431/531/536\NX

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Picture</th>
<th>Description</th>
<th>Garmin P/N</th>
<th>Freq. (kHz)</th>
<th>Power</th>
<th>Max Depth (ft.)</th>
<th>Drop (º)</th>
<th>Lenth (ft.)</th>
<th>Required?</th>
<th>Garmin Comments</th>
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<tbody>
<tr>
<td>Trolling Transom Mount</td>
<td>Airmar P66</td>
<td>Dual Beam</td>
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<td>500W</td>
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<td>0-70</td>
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<td>N/A</td>
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<tr>
<td>Trolling Transom Mount</td>
<td>Airmar P66</td>
<td>with temp</td>
<td>010-10249-00</td>
<td>50/200</td>
<td>600W</td>
<td>0-30</td>
<td>0-70</td>
<td>10</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Trolling Transom Mount</td>
<td>Airmar P66</td>
<td>with temperature</td>
<td>010-10249-20</td>
<td>50/200</td>
<td>500W</td>
<td>0-30</td>
<td>0-70</td>
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### In-Hull Transducers

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Picture</th>
<th>Description</th>
<th>Garmin P/N</th>
<th>Freq. (kHz)</th>
<th>Power</th>
<th>Max Depth (ft.)</th>
<th>Drop (º)</th>
<th>Lenth (ft.)</th>
<th>Required?</th>
<th>Garmin Comments</th>
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<tr>
<td>In-Hull Transducer</td>
<td>Garmin 520W</td>
<td></td>
<td>010-10715-00</td>
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<tr>
<td>In-Hull Transducer</td>
<td>Garmin 520W</td>
<td>with temperature</td>
<td>010-10719-00</td>
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### Off-Shore Transducers for Use with the GSD22 - GMSAP 4X5/5X5/5X5/7X0 (EXCLUDES GMSAP 431/531/536\NX)

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Picture</th>
<th>Description</th>
<th>Garmin P/N</th>
<th>Freq. (kHz)</th>
<th>Power</th>
<th>Max Depth (ft.)</th>
<th>Drop (º)</th>
<th>Lenth (ft.)</th>
<th>Required?</th>
<th>Garmin Comments</th>
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<tr>
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<td>Garmin Dual Beam</td>
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<td>010-10273-00</td>
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<td>600W</td>
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<tr>
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<td>Airmar B117</td>
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<td>010-10821-00</td>
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<td>600W</td>
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<td>with temp</td>
<td>010-10823-00</td>
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<td>0-70</td>
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</tr>
</tbody>
</table>

**Notes:**
- Mounting: Mounts on transom for installation in hull of boat. Use this transducer in the same location as existing Garmin dual beam PU80 transducer.
- Accessories: Garmin Transducer to Echo Adapter (010-10150-00), Garmin Transducer to Fishfinder Adapter (010-10150-00), Garmin Transducer to GSD22 Adapter (010-10150-00).
- Mounting: Mounts on transom for installation in hull of boat. Use this transducer in the same location as existing Garmin dual beam PU80 transducer.
- Accessories: Garmin Transducer to Echo Adapter (010-10150-00), Garmin Transducer to Fishfinder Adapter (010-10150-00), Garmin Transducer to GSD22 Adapter (010-10150-00).

**Thru-Hull Transducer Specifications:**

- **Garmin Transducer to Echo Adapter (010-10150-00):**
  - Mounts on transom for installation in hull of boat.
  - Use this transducer in the same location as existing Garmin dual beam PU80 transducer.
  - Accessories: Garmin Transducer to Fishfinder Adapter (010-10150-00), Garmin Transducer to GSD22 Adapter (010-10150-00).

**In-Hull Transducer Specifications:**

- **Garmin 520W:***
  - Mounts on transom for installation in hull of boat.
  - Use this transducer in the same location as existing Garmin dual beam PU80 transducer.
  - Accessories: Garmin Transducer to Fishfinder Adapter (010-10150-00), Garmin Transducer to GSD22 Adapter (010-10150-00).

**Off-Shore Transducer Specifications:**

- **Garmin 8-pin Dual Beam:**
  - Mounts on transom for installation in hull of boat.
  - Use this transducer in the same location as existing Garmin dual beam PU80 transducer.
  - Accessories: Garmin Transducer to Echo Adapter (010-10150-00), Garmin Transducer to Fishfinder Adapter (010-10150-00), Garmin Transducer to GSD22 Adapter (010-10150-00).

**Mounting Accessories:**

- Garmin Transducer to Echo Adapter (010-10150-00)
- Garmin Transducer to Fishfinder Adapter (010-10150-00)
- Garmin Transducer to GSD22 Adapter (010-10150-00)
### Garmin Products

**Airmar Products**

- **Airmar B744VL**
  - **Power:** 1kW
  - **Frequency:** 19/6 kHz
  - **Beam Width:** 1800
  - **Transducer Type:** Narrow Stem

- **Airmar TM260**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Narrow beam provides crisp image detail.

- **Airmar M260**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Popular transducer for in-hull installation with great deep water performance.

- **Garmin Dual Transducer**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Best deep-water performance, highest power, very narrow beam at both low and high frequencies for excellent deep-water performance. Not for cored-hull vessels.

- **Airmar B117**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.

- **Airmar TM260**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.

- **Airmar R99**
  - **Power:** 2 kW
  - **Frequency:** 8 kHz
  - **Beam Width:** 2500
  - **Style:** Transom
  - **Description:** Most powerful thru-hull transducer for the GSD24. Beams up to 5.5 inches thick. Provides deep-water performance with both low and high frequencies for excellent deep-water performance. Not for cored-hull vessels.

- **Airmar DST800**
  - **Power:** 2 kW
  - **Frequency:** 8 kHz
  - **Beam Width:** 2500
  - **Style:** Transom
  - **Description:** Most powerful thru-hull transducer for the GSD24. Beams up to 5.5 inches thick. Provides deep-water performance with both low and high frequencies for excellent deep-water performance. Not for cored-hull vessels.

### Smart Sensors for Use with NMEA0183 or NMEA2000 Products

- **Airmar P319**
  - **Power:** 2 kW
  - **Frequency:** 8 kHz
  - **Beam Width:** 2500
  - **Style:** Transom
  - **Description:** Best deep-water performance, highest power, very narrow beam at both low and high frequencies for excellent deep-water performance. Not for cored-hull vessels.

- **Airmar P66**
  - **Power:** 2 kW
  - **Frequency:** 8 kHz
  - **Beam Width:** 2500
  - **Style:** Transom
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.

- **Airmar B175H**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.

- **Airmar B175L**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.

- **Airmar B175M**
  - **Power:** 1 kW
  - **Frequency:** 19 kHz
  - **Beam Width:** 1800
  - **Style:** In-hull
  - **Description:** Provides excellent performance at high-speeds. Adjustable deadrise angles of 0-25 degrees without a fairing. A cost-effective choice for fisherman who want to spot more fish in shallow to mid-water environments.