



# SOFTWARE SERVICE BULLETIN

NO.: 1362 Rev A

TO: Customers with a GSD™ 26 and Airmar R509/R599 transducers

DATE: 5 November 2013

SUBJECT: Impedance mismatched between the GSD 26 and the R509/R599 transducers

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## AFFECTED PRODUCTS

GSD 26 with R509/R599 transducers.

## ISSUE

Garmin has recently learned that there are issues between the GSD 26 and Airmar R509/R599 transducers. The root cause of the issue is that the power is not matched when using the combination of the GSD 26 and the R509 or R599 transducer. When used individually, these problems do not exist; the fault is not just the GSD 26 or just the transducer, but a combination of both devices being used together.

The result is that there is a lot of noise on the screen. To correct this issue, you must manually limit the low frequency of the transducer to 33 kHz.

## RESOLUTION

Garmin is currently working on a software update that will correct this issue. In the meantime, follow the steps below to manually set the low frequency limit.

To manually configure the transducer, follow these instructions:

1. If the transducer has an XID wire, disconnect the wire.
2. From the chartplotter Home screen, select **Configure** (or **Settings**) > **My Boat** (or **My Vessel**).
3. Enable the Transducer Configuration menu:
  - For the GPSMAP® 4000 and 6000 series, press and hold the Mark button until Transducer Configuration appears.
  - For the GPSMAP 5000, 7000 and 8000 series, press and hold the lower left corner of the screen until Transducer Configuration appears.

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- If you are not able to get to the Transducer Configuration page, this means that the XID circuit in the transducer is working.
4. Select **Transducer Configuration**.
  5. Select either **High** or **Low** for the desired frequency setup.
  6. Select **Select** to accept the warning about the risks of manual configuration.
  7. Select **Manual Enabled**.
  8. Select **Impedance**, and enter the correct impedance for the frequency chosen, found below.
  9. Select **Max Xmit Power**, and enter the correct power for the frequency chosen, found below.
  10. Select **Nominal Frequency**, and enter the correct frequency for the frequency chosen, found below.
  11. Select **Chirp**.
  12. Select **On** for Chirp Support.
  13. Select **Lower 3dB Freq**, and enter the correct frequency for the frequency chosen, found below.
  14. Select **Upper 3dB Freq**, and enter the correct frequency for the frequency chosen, found below.
  15. Select **Back**.
  16. Choose **Apply**.
  17. Repeat Steps 5-16 for the other frequency that was not chosen.  
For example, if you initially selected **High** in step 5, you *must* repeat all the steps to select **Low** and enter the proper values for the low side.

After the settings are completed and saved, they will be retained until either altered or a transducer with XID is installed to the sonar box. At that point the XID transducer takes precedence over the manual setting.

#### SETTINGS TABLE

	<b>Impedance</b>	<b>Max Xmit Power</b>	<b>Lower 3dB Freq</b>	<b>Upper 3dB Freq</b>
<b>High</b>	124	2000	130	210
<b>Low</b>	100	1500	33	60