

Technical Bulletin

LOWRANCE

SIMRAD

B&G

TB-97340 / August 2017

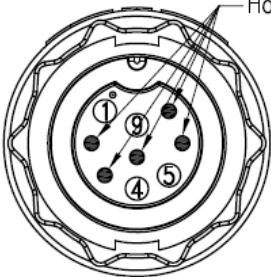
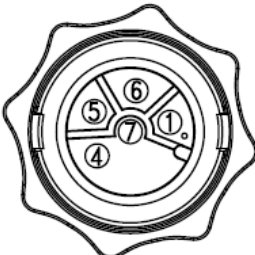
xSonic Transducer Adaptor Cables

Product:	000-13977-001; 000-12571-001
Product Description:	9-pin to 7-pin transducer adaptor cables
Software Version:	N/A
Effective Date:	July 2017
Inspect/Update Current Inventory:	No

There are two types of adaptor cable available for use when connecting the new xSonic transducer to displays with a legacy 7-pin blue transducer plug. This document is intended to provide clarity around the transducer adaptor compatibility.

XID Transducers

Airmar’s XID function automatically identifies the connected transducer to your sonar. The sonar then sets the correct parameters for optimum performance automatically. The XID data sent to the sonar includes water temperature. Our xSonic CHIRP transducers incorporate this XID function.

																														
Pin Assignments Front View	Pin Assignments Front View																													
		<table><tr><td>1</td><td>Drain (24#) 地</td><td>XDCR_SHLD</td><td>7</td></tr><tr><td></td><td>Drain (22#) 地</td><td>XDCR_SHLD</td><td>6</td></tr><tr><td>4</td><td>Black (22#) 黑</td><td>XDCR-</td><td>5</td></tr><tr><td>9</td><td>Yellow (24#) 黃</td><td>XID</td><td>4</td></tr><tr><td>5</td><td>Red (22#) 紅</td><td>XDCR+</td><td>1</td></tr><tr><td>Conn.1</td><td>Wire Color</td><td></td><td>Conn.2</td></tr><tr><td></td><td>Pin Out</td><td></td><td></td></tr></table>	1	Drain (24#) 地	XDCR_SHLD	7		Drain (22#) 地	XDCR_SHLD	6	4	Black (22#) 黑	XDCR-	5	9	Yellow (24#) 黃	XID	4	5	Red (22#) 紅	XDCR+	1	Conn.1	Wire Color		Conn.2		Pin Out		
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000-13977-001 Adaptor. Note XID is connected

Non XID Transducers

Transducers without the XID function have an analogue temperature sensor, which is read by the

sonar to provide an accurate water temperature reading.

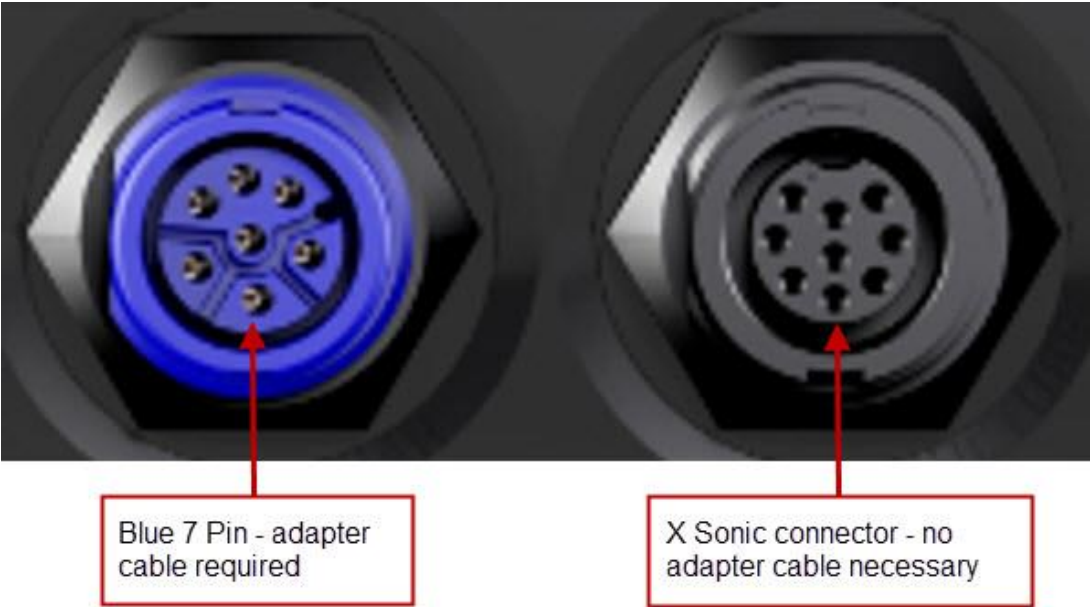
Conn.1
Pin Assignments Front View

Conn.2
Pin Assignments Front View

1	Drain (24#) 地	XDCR_SHLD	7
	Drain (22#) 地	XDCR_SHLD	6
4	Black (22#) 黑	XDCR-	5
8	Yellow (24#) 黄	TEMP_IN	4
5	Red (22#) 紅	XDCR+	1
Conn.1	Wire Color		Conn.2
	Pin Out		

000-12571-001 Adaptor. Note the water temperature instead of XID

7-Pin Blue Connector and xSonic 9-Pin Connector



If the xSonic transducer is connected to a sonar module or display with the 9-pin sonar transducer socket, then no adaptor is required.

Adaptor Cables and where used

Part Number	Description	Where used
000-13977-001	9 to 7-pin XID adaptor with XID wire	Allows connection of 9-pin xSonic, XID transducers to 7-pin echo sounder
000-12571-001	9 to 7-pin adaptor with analogue temp	Allows connection of 9-pin xSonic transducers with analogue temp sensor and no XID

All Airmar CHIRP transducers have XID
All Airmar non-CHIRP transducers do not have XID.

- For all Airmar CHIRP transducers, the adaptor 000-13977-001 should be used
- For all Airmar non – CHIRP transducers, the adaptor 000-12571-001 should be used.

Please see the below list for confirmation.



000-13977-001 Adaptor cable. Note that pin 9 on the female connector is populated for XID

Adaptor required when connecting to 7-pin blue sonar module

Use 000-13977-001 for the following transducers

Navico P/N	Description	Adaptor Cable required
000-13776-001	XSONIC AIRMAR SS175L 20 DEG	000-13977-001
000-13777-001	XSONIC AIRMAR SS175M 0 DEG	000-13977-001
000-13778-001	XSONIC AIRMAR SS175M 12 DEG	000-13977-001
000-13779-001	XSONIC AIRMAR SS175M 20 DEG	000-13977-001
000-13780-001	XSONIC AIRMAR SS175H-W 0 DEG	000-13977-001
000-13781-001	XSONIC AIRMAR SS175H-W 12 DEG	000-13977-001
000-13782-001	XSONIC AIRMAR SS175H-W 20 DEG	000-13977-001
000-13908-001	XSONIC AIRMAR SS75M 0 DEG	000-13977-001
000-13909-001	XSONIC AIRMAR SS75M 12 DEG	000-13977-001
000-13910-001	XSONIC AIRMAR SS75M 20 DEG	000-13977-001
000-13911-001	XSONIC AIRMAR SS75H 0 DEG	000-13977-001
000-13912-001	XSONIC AIRMAR SS75H 12 DEG	000-13977-001
000-13913-001	XSONIC AIRMAR SS75H 20 DEG	000-13977-001
000-13920-001	XSONIC AIRMAR B150M 0 DEG	000-13977-001
000-13921-001	XSONIC AIRMAR B150M 12 DEG	000-13977-001
000-13922-001	XSONIC AIRMAR B150M 20 DEG	000-13977-001
000-13940-001	XSONIC AIRMAR PM275LH-W	000-13977-001- (two required)
000-13941-001	XSONIC AIRMAR CM599LH-W	000-13977-001- (two required)
000-13944-001	XSONIC AIRMAR TM150M	000-13977-001
000-13997-001	XSONIC AIRMAR TM185 HW	000-13977-001
000-13998-001	XSONIC AIRMAR TM185 M	000-13977-001
000-13999-001	XSONIC AIRMAR PM411L-WM	000-13977-001- (two required)

Use 000-12571-001 for the following transducers

Navico P/N	Description	Adaptor Cable required
000-13783-001	XSONIC AIRMAR SS260	000-12571-001
000-13784-001	XSONIC AIRMAR SS60 0 DEG	000-12571-001
000-13785-001	XSONIC AIRMAR SS60 12 DEG	000-12571-001
000-13786-001	XSONIC AIRMAR SS60 20 DEG	000-12571-001
000-13904-001	XSONIC AIRMAR TM260	000-12571-001
000-13905-001	XSONIC BRONZE HDI XDCR 0 DEG	000-12571-001
000-13906-001	XSONIC BRONZE HDI XDCR 12 DEG	000-12571-001
000-13907-001	XSONIC BRONZE HDI XDCR 20 DEG	000-12571-001
000-13914-001	XSONIC AIRMAR M260	000-12571-001
000-13915-001	XSONIC AIRMAR P319	000-12571-001
000-13916-001	XSONIC AIRMAR SS164 0 DEG	000-12571-001
000-13917-001	XSONIC AIRMAR SS164 12 DEG	000-12571-001
000-13918-001	XSONIC AIRMAR SS164 20 DEG	000-12571-001
000-13919-001	XSONIC AIRMAR P66	000-12571-001
000-13942-001	XSONIC AIRMAR P79	000-12571-001
000-13943-001	XSONIC AIRMAR B744V	000-12571-001
000-13945-001	XSONIC AIRMAR B117 BB,8 PACK	000-12571-001
000-13946-001	XSONIC AIRMAR B45	000-12571-001
000-13964-001	XSONIC AIRMAR B258	000-12571-001

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