

Technical Bulletin



TB-97340 / August 16, 2017

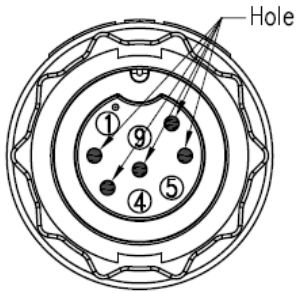
xSonic Transducer Adapter Cables

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

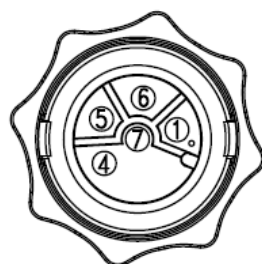
There are two types of adapter cables available for connecting new xSonic transducers to displays with legacy 7-pin blue transducer plugs.

XID Transducers

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



Pin Assignments Front View



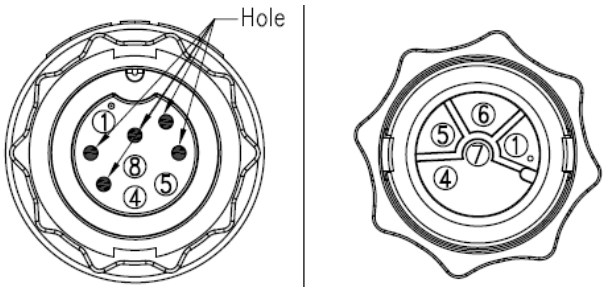
Pin Assignments Front View

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 Pin Out	Conn.2

000-13977-001 Adapter. Note XID is connected.

Non-XID Transducers

Transducers without the XID function have an analog temperature sensor, which is read by the display to provide an accurate water temperature reading.



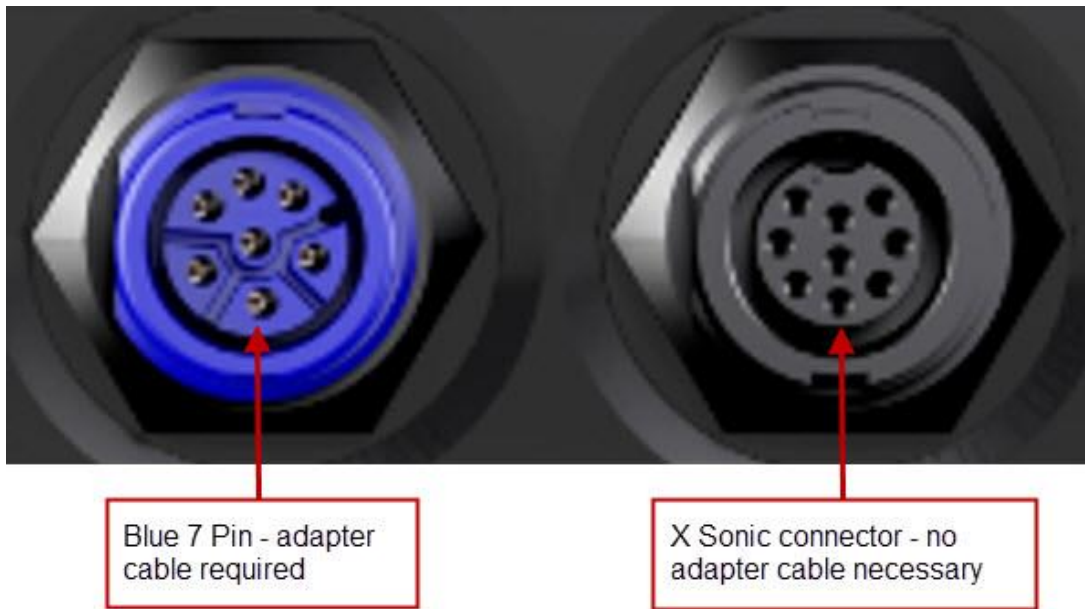
Conn.1
Pin Assignments Front View

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 Adapter. 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 adapter is required.

Adapter Cables and Where Used

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

All Airmar® CHIRP transducers have XID.

Airmar non-CHIRP transducers do not have XID.

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

Please see the list below for confirmation.



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

Adapters Required for Connecting to 7-pin Blue Sonar Module

Use 000-13977-001 for the following transducers:

Navico P/N	Description	Adapter 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-requires 2
000-13941-001	XSONIC AIRMAR CM599LH-W	000-13977-001-requires 2
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-requires 2

Use 000-12571-001 for the following transducers

Navico P/N	Description	Adapter 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

For More Information:

U.S. Based Resellers Technical and Order Support: (800) 324-4737
 Canada Based Resellers Technical Support: (855) 361-1564

You may also send any inquiries via email to the addresses listed below, according to your sales-group classification:

- OEM/Boatbuilder – oem-bb@navico.com
- International/Latin America – international@navico.com
- National Retail – retail@navico.com
- Dealers/Distributors – orders@navico.com