

SCP-xDR-DSP-M1.0 Panel Mount Diver Radio

THETIS-P1 | Panel Mount Diver Radio with xDR-DSP

The THETIS-P1 is an aluminum case that can be built into a panel. It contains the xDR Diver intercom radio that is used for communication with the diver. The Intercom can be configured as a 2, 3 or 4 channel unit. The case has connectors on the back and the front. The system has a minimal built-in depth that significantly improves its possibilities.



front (2 channels)



back (2 channels)



side

Features:

- Minimal Built-in Depth
- Panel Mounted
- Digital Signal Processing

Applications:

- Commercial Diving

THETIS-P1 is configured with :

NOVASUB xDR-DSP self-contained diver intercom that supports communication between a tender and 2 to 4 divers.

Configurations :

- SCP-2DR-DSP-M1.0 (2 Channels)
- SCP-3DR-DSP-M1.0 (3 Channels)

Available options :



Wireless Ready

Equip the system with a Bluetooth print and antennas to be able to connect wireless headsets to the radio. This upgrade can be done post-production.



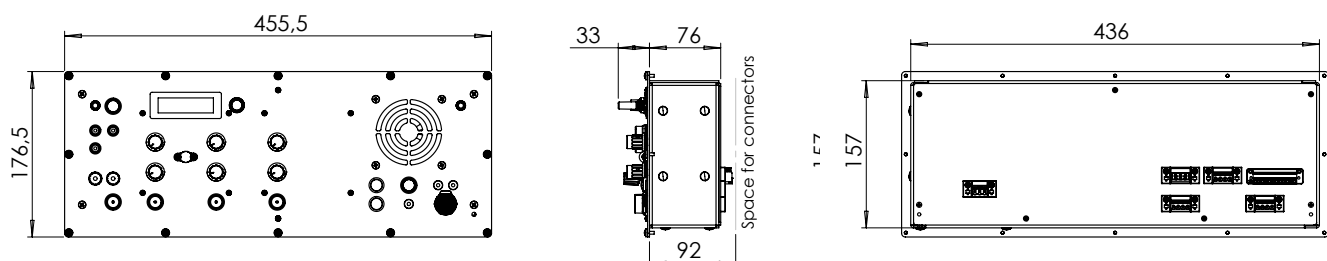
website link : <https://www.novasub.com/product/thetis-p1-panelmount-diver-radio/>
 product video : <https://www.youtube.com/channel/UCRqqqmJy8O7XEabp7S1rpQ>

SCP-xDR-DSP-M1.0 Panel Mount Diver Radio

Specifications :

System	Description	Type / Parts
Name	SCP-xDR-DSP-M1.0	
Channels	2x or 3x	
xDR	Yes	G4
Wireless Connections	2x optional	
Connectors (BACK)		
Comms :	2x or 3x	Phoenix DFK-MTSB 4 pin plugin screwterminals
Power	1x, 100-240Vac	Phoenix DFK-MTSB 3 pin plugin screwterminals
NovaBus (Data in/out)	1x	Phoenix DFK-MTSB 4 pin plugin screwterminals
REC Audio Out	1x REC per channel	Phoenix DFK-MTSB 12 pin plugin screwterminals
DVR Audio In	1x	
Connectors (FRONT)		
Wired Headset :		
<i>Multipin</i>	1x or 2x With Earphone, Mic & PTT	Lumberg 0271-07
<i>Earphone</i>	1x	Jack 3.5mm (Mono/Stereo)
<i>Mic</i>	1x	Jack 3.5mm (Mono)
Audio Out	1x per channel	RCA
Aux In	1x	Jack 3.5mm (Mono/Stereo)
External Speaker	1x	2x Banana binding posts
Battery		
Run time	6 hours.	Lithium-Ion
Charging time	12 hours	
Size		
Width		455,5mm
Depth		76 mm
Height		176,5 mm
Build-in Depth		92 mm
Weight		4.2 kg

Dimensions (mm)



xDR-DSP xDR-DSP Diver Intercom with Digital Signal Processing (DSP)

Self-contained Diver Intercom that supports communication between a tender and 2 to 4 divers

NOVASUB xDR-DSP is a self-contained diver intercom that supports communication between a tender and 2 to 4 divers. It is an innovative system that includes in-house written software in combination with industrial hardware. Because of this software, the system has a massive amount of configurability. To achieve this it uses Digital Signal Processing (DSP).



Software:

This DSP makes the xDR-DSP an adjustable diver intercom in which you can, for example, select which channels you want to hear on an output or adjust its volume levels. The xDR-DSP can also operate in half duplex tender to diver as well as full duplex between divers (Round Robin). By default settings, the xDR-DSP will work as a standard 2 Diver intercom you will be used to.

Hardware:

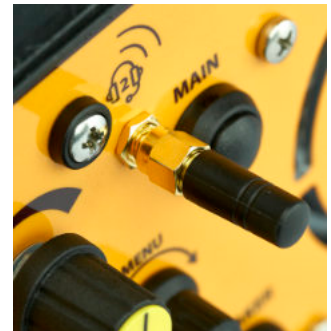
The xDR-DSP is equipped with a 2 line translatable display. This display is used to scroll through the menu and adjust the required settings. The xDR-DSP is always equipped with push to talk buttons, Volume control and a microphone connection. The audio in- and outputs can be configured as needed.

Features:

- Fully audio configurable, select on each Diver, Tender and output what it may hear
- Each Diver, input and output has a gain level adjustment
- Separate amplifiers for Divers, Internal speaker and External speakers
- Transformer Isolated on all Divers, inputs and outputs
- 3,5 mm jacks to connect any media / gaming headset with mic

Options:

The system is per default **'Wireless Prepared'** for 2 connections, this means that the connectors for the antennas and the buttons are already integrated in the the system. This can be upgraded anytime to **'Wireless Ready'** to be able to connect to wireless headsets. On order, the number of connections can be expanded up to 4 wireless connections.



'Wireless Ready' option installed

Input Impedance (Each Input)	250 Ohms	Headset Mic Sensitivity	159 mVpp
Frequency Response	300 - 10000 Hz	Inputs audio (Aux&DVR in)	2,82 Vpp
Common Mode Rejection	40 dB Minimum	Outputs Audio (Rec, Out & Aux)	2,82 Vpp
Power Drain	0.2 – 0.5 Ah (12v)	Headset speaker	
Output Impedance	4 Ohm	Diver Output Power (RMS @ 4 Ohm Load, 12 Vdc)	7 watt audio
Diver Mic Sensitivity (Input)	15 mVpp	Speaker Output Power (4 Ohm)	15 watt audio
		Inputs and outputs Isolation	Transformer galvanic Isolated

ACCESSORIES Compatible with THETIS-P1

NSHEADSET5



Single Ear Headset
with dual Jack
(Included with THETIS-P1)

NSHEADSET1



Headset with PTT
and noise cancellation

NSHEADSET4



Heavy Duty Single Ear Headset
with PTT

NSHEADSET6



Heavy Duty Double Ear Headset
with PTT

WLHEADSET1



Wireless Headset
with PTT / waterproof
needs 'Wireless Ready' option

WLHEADSET2



Wireless Headset
with PTT for helmet mount /
waterproof
needs 'Wireless Ready' option

WLHEADSET3



Wireless Headset
with PTT and Hear-Trough
mode / waterproof
needs 'Wireless Ready' option

NSEXTSPK33



Waterproof External Speaker
23 watt

TMIC3-2L



Table Microphone
2 channels

TMIC3-4L



Table Microphone
4 channels

HHMIC3-4L



Handheld Microphone

NOVASUB Available products that can be used in combination with THETIS-P1 :

PROTEUS-C1



DIVING AIR / COMMS / LIGHT CONTROL & VIDEO RECORDER
All-in one case

HERMES



COMMS

DUx



UMBILICALS

DLRx & CDURx



CABLES
for video & comms