

Subsea INS Pack iMX6

Software Pack 20.1.8 - Release Notes

These Release Notes provide description of the software pack 20.1.8 compatible with systems equipped with iMX6 processing board, PHINS COMPACT C3 G2 (P/N 00208377) and PHINS COMPACT C7 G2 (P/N 00203864, 00197729).

Please read these notes carefully before installing the software.

1 Pack content

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| ▶ Pack Subsea 20.1.4 Details | ▶ Pack Subsea 20.1.8 Details |
| Kernel Version QNXPHY_5_13_1_N | Kernel Version QNXPHY_6_4_0 |
| Web MMI Phins_Cx/7.7.6-3.7.0-rc.5.tar.gz | Web MMI Phins_Cx/7.7.6-3.7.0-rc.8.tar.gz |
| NAV Firmware SUBSEA_1_7_5.a | NAV Firmware SUBSEA_1_7_9.a |
| Algorithm 3.59.0.12.ALIX | Algorithm 3.59.0.12.ALIX |
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- Compatibility
This software pack can only be loaded on systems with iMX6 processing board (C3 G2 and C7 G2), when the previous installed pack was named as PACK_SUBSEA_20.x.x.

2 What's new

The following are the improvements & bugs fixes since Pack Subsea 20.1.4

2.1 Bug fix

- PD0 input protocol in serial link
 - Suppress 'coupled system' tick box for DVL setting
 - NTP synchronization
 - NTP synchronization when GNSS UDP is used
 - Restart
 - User configuration corrupted after restart (Operating mode for the external sensor, COG/LVA configuration)
 - Connexion to factory software tool
 - Mechanical orientation for Nemo systems
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2.2 Improvments

Inputs Protocols added:

- BINGPS
 - CTD SBE
 - EM_LOG_VBW
 - EM_LOG_VBH
 - LOCH_VBW
 - EXTERNAL_SENSOR_BIN
 - TRITECH_SEAKING_700
 - SOCAUTOSUB
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Output protocols added

- BUC
 - EMT_SDV_GCS
 - EXT_SENSOR_BIN
 - HDMS
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- HEHDT_HEROT
 - HEHDT_FIXED
 - HYDROGRAPHY
 - KINETIC_SCIENTIFIC
 - KM_BINARY
 - KVVH_EXTENDED
 - LONG_BIN_NAV_HR2
 - MDL2
 - NAV_AND_CTD
 - POSIDONIA
 - PRECISE_ZDA
 - RDI_PING
 - SAS2
 - SAS2B
 - SEANAV_ID1
 - SIMRADEM
 - SIMRADEM_TSS
 - SIMRADEM_TSSH2
 - STANDARD2
 - STOLT_OFFSHORE2
 - TECHSAS_TSS
 - TMSCCVIMBAT
 - TOKIMEC_PTVF
 - TSS1_DMS
 - TSS_335B
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2.3 Available Protocols

Table 1: Input protocols

Index	Name
5001	APOS PSIM LBP
5002	APOS PSIM SSB
5003	AUVG3000
5044	BINGPS
5018	EM_LOG_VBW
5019	EM_LOG_VHW
5008	EXT_SENSOR_BIN
5009	GAPS
5010	GPS
5013	HALLIBURTON
5037	IXBLUE_STD_BIN
5015	IXSEA_AUV
5016	IXSEA USBL INS1
5017	LOCH VBW
5020	MICRO SVT-P
5021	MINISVS
5048	NORTEK DF21/22
5023	PAROSCIENTIFIC
5025	POSIDONIA
5026	PRESSURE SENSOR
5027	RAMSES POSTPRO
5028	RDI PD0
5029	RDI PD3
5030	RDI PD3 RT
5031	RDI PD4
5032	RDI PD6
5004	SBE37SI
5049	SBE49
5041	SEAKING 700
5036	SOCAUTOSUB
5040	SVX2
5045	TERPS8000
5042	USBL LBL CTD
5043	USBL BOX POSTPRO

Table 2: Output protocols

Index	Name
2002	AIPOV
2004	AUVG_3000
2006	BROADCAST A
2007	BROADCAST B
2008	BROADCAST C
2009	BROADCAST D
2010	BROADCAST E
2012	BUC
2013	CONTROL
2014	CONTROL NO G
2022	DORADO
2023	DORADO 2
2026	EMT_SDV_GCS
2028	EVENT_MARKER
2029	EXT_SENSOR_BIN
2030	GAPS BIN
2032	GPS LIKE
2033	GYROCOMPASS
2034	GYROCOMPASS 2
2035	HALLIBURTON SAS
2036	HDMS
2039	HEHDT FIXED
2040	HEHDT HEROT
2041	HETHS HEROT
2042	HYDROGRAPHY
2043	IMU ASCII
2044	IMU BINARY
2045	IMU RAW DATA
2116	IXBLUE STD BIN V2
2117	IXBLUE STD BIN V3
2051	IXSEA TAH
2052	KINETIC_SCIENTIFIC
2175	KM_BINARY
2053	KVH_EXTENDED
2057	LONG BINARY_NAV_HR2
2055	LONG BINARY NAV
2141	MDL_2
2066	NAV_AND_CTD

2072	NAV BHO
2073	NAV BHO LONG
2067	NAV BINARY
2068	NAV BINARY 1
2074	NAVIGATION
2070	NAVIGATION LONG
2071	NAVIGATION SHORT
2077	OCTANS STANDARD
2076	PHINS STANDARD
2082	POSIDONIA
2049	POSTPROCESSING
2083	PRDID
2084	PRDID TSS
2085	PRECISE ZDA
2088	RDI PING
2095	SAS2
2096	SAS2B
2097	SEANAV ID1
2102	SER OUT A RTC
2103	SER OUT B RTC
2104	SER OUT C RTC
2105	SER OUT D RTC
2106	SER OUT E RTC
2109	SIMRAD EM
2111	SIMRAD EM HEAVE2
2110	SIMRADEM TSS
2112	SOC AUTOSUB
2115	STANDARD2
2120	STOLT OFFSHORE2
2124	TECHSAS TSS
2125	TMS CCV IMBAT
2126	TOKIMEC PTVF
2127	TSS1 DMS
2128	TSS335B

3 Customer support

For any additional questions feel free to contact our worldwide 24/7 customer service:

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