R/V Hugh R. Sharp
Reson 7125 Configuration Documentation

Multibeam Advisory Committee
March 22, 2016
Reson 7125, SV3/FP3

Indicates no change since 2012 MAC visit
Indicates change since 2012 MAC visit
Access under “Help” menu, choose “About Seabat...”

mac-help@unols.org
Access under “Configuration” menu, choose “Data Display & Format…”
Access under “Configuration” menu, choose “UDP Broadcasting...”

mac-help@unols.org
Configuration

Note that these offsets vary with frequency. When running in dual swath mode, you’ll see one tab for each frequency (200 kHz and 400 kHz).

Access under “Configuration” menu, choose “Hardware...”
Access under “Configuration” menu, choose “Hardware...”

Note that these offsets vary with frequency. In dual swath mode, there is one tab for each frequency (200 kHz and 400 kHz).
Access under “Configuration” menu, choose “Advanced Ping Settings...”
Access under “Configuration” menu, choose “Triggering...”

WARNING: This setting must match the PPS output configuration for the POSMV (which is itself user-configurable)
Configuration

Access under “Configuration” menu, choose “Motion…”

These need to match what the POSMV is outputting on COM4.
Configuration

I/O Module Setup tab

Device List
- Clock, Generic ZDA + 1PPS, COM10, BaudRate=19200, DataBits=8, Parity=None, StopBits=1
- Sound Velocity, RESON SVP70 AML, COM3, BaudRate=19200, DataBits=8, Parity=None, StopBits=1
Configuration

Serial Port Properties

- Select A Device Type:
  - Attitude
  - Heading
  - Pan and Tilt
  - Position
  - Sound Velocity

- Select A Driver:
  - 830
  - Aquarius 02.PPS
  - Aquarius PPS
  - Ashtech NMEA PTT
  - Ashtech Z12 PPS
  - BORACETT Heinnew (59)
  - BORACETT Simdels(59)
  - Generic ZDA + 1PPS
  - Generic LAN + 1PPS using Trimble Cable
  - Igfner PPS & ZDA (88)
  - LEICA PIVXG
  - NMEA GGA
  - NMEA ZDA
  - Novatel OEM4 TIMESYNC
  - Novatel SPAN NMEA ZDA + 1PPS
  - FosNV ethernet 7 + 1PPS
  - RESON SeatBat
  - Reson Test PPS+ZDA
  - RESON-7k
  - Simrad PPS+GGA
  - Simrad-EM350-Time
  - Solitar Master Clock (86)
  - Topcon PPS & ZDA
  - Trimble PPS

- Port Type:
  - Serial
    - Port: COM10
    - Baud Rate: 19200
    - Parity: None
    - Data Bits: 8
    - Stop Bits: 1

- Socket Properties:
  - Local
    - Port: 5000
  - Host
    - Address: localhost
    - Port: 5001
  - Protocol
    - UDP/IP

OK  Cancel
Configuration

Serial Port Properties

Select A Device Type
- Attitude
- Clock
- Heading
- Pan and Tilt
- Position

Select A Driver
- Ifemer Pourquoi Pas [88]
- Manual Input
- MicroCAT SBE37
- RESON SVP70 AML
- RESON SVP-C
- RESON-7k
- RESON-7k-QC
- SBE45 Thermosalinograph
- SBE45 Thermosalinograph format X
- SeaKng SCU Bathy
- Smart Probe
- Smart Probe with depth sensor
- Soundvelocity Sim
- Valeport midas SVX2
- Valeport miniSVS
- Valeport miniSVS mm
- Valeport miniSVS with pressure sensor
- Valeport miniSVS-MM[331]

Port Type
- Serial
- Socket

Serial properties
- Port
- Baud Rate
- Parity
- Data Bits
- Stop Bits

Socket properties
- Local
  - Port: 5000
- Host
  - Address: localhost
  - Port: 5001
  - Protocol: UDP/IP

OK  Cancel
Questions? Feedback? Suggestions?

• Please email us:
  – mac-help@unols.org