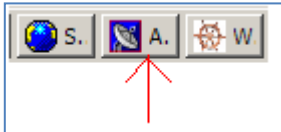


How to Switch Between BPI and WPI for AIS Data

Rev A - 09-02-2009

Selecting the BPI

- 1) If WHII is not already started, then start WHII.
- 2) From the task bar, select the AisClient icon.



- 3) To use the BPI, connect the BPI to the AIS pilot port interface on the ship and turn on the BPI.
- 4) From the AisClient screen, select the 'Use BPI or Serial Port' choice.
- 5) Select COM Port 40 from the drop-down list.

AisClient 1.67

File View Options Help

Decode Log File Records One at a Time (Diagnostic Only)

AIS Log File Name: sh.log [Open] [Get Next] [Get Prev] [Decode Again]

Count: 0

Raw AIS Messages

Msg Name: Failed [Process AIS Class B Messages] [Pause] AIS PPI Baud Rate: 19200

VDM or VDO Msg ID: 1

Seconds since last message from transponder: 0 The AIS transponder provides own vessel position info from it's internal GPS receiver.

[Loopback Broadcast Safety Message (diagnostic only)] Own Vessel using RAIM: NO

Data

VDO Message: Position Report		VDM Message: Position Report	
Own Vessel	Yes	Own Vessel	No
Message ID	1	Message ID	1
Repeat Indicator	0	Repeat Indicator	0
MMSI	636011542	MMSI	308819000
Navigation Status	0	Navigation Status	0
Rate of Turn	0.0 d/m	Rate of Turn	2636.0 d/m
Speed	11.0 k	Speed	11.3 k
Position Accuracy	1	Position Accuracy	0
Longitude	-94.796116667 d	Longitude	-93.879333333 d
Latitude	29.362000000 d	Latitude	29.743833333 d
Course	318.0	Course	147.0
True Heading	318	True Heading	145
UTC Second	35	UTC Second	32
Reserved 4 bits	0	Reserved 4 bits	0
Spare	0	Spare	0
RAIM Flag	0	RAIM Flag	0
Communication State	0	Communication State	20716

Raven Equipment Test [Go To]

COM Port Select: 40 [Use BPI or Serial Port] [Use WPI or UDP Port]

Log Received AIS Data

File Name: None [Start Log]

Replay Log File

Log File: C:\wh2Logs\HOU\040104_035757AISHO

Count: 64 [Start Replay] [Fast]

AIS Event Log

Event Count: 2 [Enable Event Logging] [View Event Log]

BPI (Bluetooth Pilot Interface)

Battery Parameters

Time to Empty: 0 Hr 0 Min

Time to Full: N/A - not charging

% Charged: 0 Volts (3.2-4.2): 0.0v

Other Parameters

Wiring State: Address: Firmware: v0.00 Hardware: v0.00

Checksum: [Dim the LEDs on the BPI]

Comm Link (UDP Socket or Com Port)

Open Socket on this IP Address

192.168.10.200

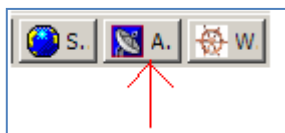
Remote IP: 192.168.10.216

[Use Alternate Remote IP] [Use Alternate Local IP] [Enable Auto-Baud]

Status: Opened COM40

Selecting the WPI

- 1) If WHII is not already started, then start WHII.
- 2) From the task bar, select the AisClient icon.



- 3) To use the WPI, connect the WPI to the AIS pilot port interface on the ship and plug in the WPI power cord to 120VAC.
- 4) From the AisClient screen, select the 'Use WPI or UDP Port' choice.

AisClient 1.67
File View Options Help

Decode Log File Records One at a Time (Diagnostic Only)
AIS Log File Name: Open Get Next Get Prev
Count: 0 Decode Again

Raw AIS Messages
[IAIVDM,1,1,,A,15A@6I1P?w<FSP@;iM>4?wL08Lf,0*13II]
Msg Name: **IAIVDM** ☐ Process AIS Class B Messages
VDM or VDO Msg ID: 1 ☐ Pause
AIS PPI Baud Rate: **38400**

COM Port Select
40
☐ Use BPI or Serial Port
☒ Use WPI or UDP Port

Seconds since last message from transponder
0 The AIS transponder provides own vessel position info from it's internal GPS receiver.

☐ Loopback Broadcast Safety Message (diagnostic only) **Own Vessel using RAIM: NO**

Data

VDO Message: Position Report	VDM Message: Position Report
Own Vessel Yes	Own Vessel No
Message ID 1	Message ID 1
Repeat Indicator ... 0	Repeat Indicator ... 0
MMSI 636011542	MMSI 353634000
Navigation Status .. 0	Navigation Status .. 1
Rate of Turn 0.0 d/m	Rate of Turn 999.0 d/m
Speed 10.8 k	Speed 999.0 k
Position Accuracy .. 1	Position Accuracy .. 0
Longitude -94.805500000 d	Longitude -95.168666667 d
Latitude 29.375350000 d	Latitude 28.283500000 d
Course 335.0	Course 999.0
True Heading 335	True Heading 999
UTC Second 48	UTC Second 46
Reserved 4 bits 0	Reserved 4 bits 0
Spare 0	Spare 0
RAIM Flag 0	RAIM Flag 0
Communication State. 0	Communication State. 34606

Raven Equipment Test
Go To

Log Received AIS Data
File Name:
Start Log

Replay Log File
Log File:
Count: 64 Start Replay ☐ Fast

AIS Event Log
Event Count: ☐ Enable Event Logging
View Event Log

BPI (Bluetooth Pilot Interface)
Battery Parameters
Time to Empty: **More than 24 hours**
Time to Full: **N/A - not charging**
% Charged: **100** Volts (3.2-4.2): **4.2v**
Other Parameters
Wiring State: **Data Found - Wiring Ok**
Address: **008098E97925**
Firmware: **v0.35** Hardware: **v9.00**
Checksum: **0x97B0**
☒ Dim the LEDs on the BPI

Comm Link (UDP Socket or Com Port)
Open Socket on this IP Address

Remote IP: **192.168.10.216**
☐ Use Alternate Remote IP
☒ Use Alternate Local IP
☐ Enable Auto-Baud
Status: **Opened COM40**