



SAFETY WARNING

IT IS IMPORTANT TO KNOW THIS AIS PILOT PLUG DEVICE IS FOR REFERENCE PURPOSES ONLY. YOU ASSUME ALL RESPONSIBILITY AND RISK FOR THE USE OF THIS DEVICE. PLEASE KEEP LOOKOUT IN SURROUNDING DURING PILOT VESSEL.

• SPECIFICATIONS

- Built-in GPS receiver;
- Built-in polarity automatic corrector;
- Built-in Li-Poly battery duration 40hrs ;
- Built-in Rate of Turn sensor(Model AW2016C) ;
- WiFi& Bluetooth connection 2in1,max 3 users for WiFi;
- Network SSID:"PilotsTECH",Password:"12345678";
- TCP Host IP address:"192.168.1.1",Port:"8888";
- Bluetooth Name:"PilotsTECH-BT",Pair key: "1234";
- GPS Accuracy:HDOP<2.5m;SBAS<2.0m average;
- GPS Engine:GPS,GALILEO,SBAS(WAAS,EGNOS,MSAS,GAGAN)
- Acquisition:Cold starts: 30s;Warm starts: 29s;Hot starts: 10s
- ROT Accuracy: 0.5 ° /M (AW2016C)

• PACKAGE LIST:

- User Guide.....1pcs
- AIS Pilot Plug WiFi Unit.....1pcs
- AIS pilot plug cable one meter.....1pcs
- Micro USB cable for charger.....1pcs
- Power Adapter: Output DC5V 1A.....1pcs

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HARDWARE INTRODUCTION

• SYMBOL OF LED



• LED STATUS

- RXD-Blink Blue:** Receiving data from AIS or GPS
- BT-Blink Blue:** Solid blue after Bluetooth connected
- LNK-Solid Green:** WiFi connected
- PWR-Solid RED:** Switch ON at GPS or AIS
- GPS-Solid Green:** Blinking RED after obtained position



- AIS Pilot Plug Input
- DC 5V 1A Input
- Red:Charging
- Green:Full charge
- Yellow:Low Batt

The indicator will showing RED for charging and GREEN is full,YELLOW is low Batt.

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SOFTWARE SETTINGS

• HOW TO CONNECTED

AW2016:

PC,iOS device,Mobile searching WiFi network

SSID: "**PilotsTECH-V4**"

Password: "**12345678**"

Navigation software or App settings:

Protocol: **TCP**

HOST IP Address: **192.168.1.1**

PORT: **8888**

AW2016C-ROT

PC,iOS device,Mobile searching WiFi network

SSID: "**AW2016C-ROT**"

Password: "**12345678**"

Navigation software or App settings:

Protocol: **TCP**

HOST IP Address: **192.168.2.1**

PORT: **8888**

BLUETOOTH

Use serial port on Windows connected to:

Name: **PilotsTECH-BT** Pair key: **1234**

Use on iOS or Android:
(Need 3rd party App like "LightBlue")

Name: **PilotsTECH-BLE** Pair key: **000000**

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Rate of Turn Operations(AW2016C ONLY)

1.WHEN SWITCH AT "A" UNIT DEFAULT OUTPUT SENTENCE:

"ROT NMEA+AIS (FROM SHIP PILOT PLUG)"

2.WHEN SWITCH AT "G" UNIT DEFAULT OUTPUT SENTENCE:

"OWN GPS NMEA+ROT NMEA+AIS (FROM SHIP PILOT PLUG)"

(G mode especially for some of App not decode GPS from ship AIS VDO sentence when connect to AIS PILOT PLUG)

GPS ANTENNA SHOULD BE TO THE CLEAR SKY FOR "G" MODE

WEB CONSOLE:

THERE IS A CONTROL PANEL TO ENABLE OR DISABLE ROT OR HDT BY OPEN AN INTERNAL WEB PAGE. BEFORE USE WEB PAGE MUST BE DISCONNECT AIS PILOT PLUG CABLE. PC OR IPAD WIFI CONNECTED WITH AW2016C-ROT THEN TYPE "**192.168.2.1/ksntek.html**" AT ADDRESS BAR OF IE OR SAFARI THEN PRESS ENTER(**ksntek.html in small letters**)

CONTROL PANEL

ROT:

HDT:

CAL:

(CAL INPUT BY CORRECT HEADING FROM SHIP)

NOTE: TO USE HEADING SHOULD BE ENABLE "HDT" FIRST THEN INPUT CAL VALUE FOR HEADING CALIBRATE, VALUE CAN BE GET FROM SHIP'S HEADING. e.g SHIP HEADING IS "180.5°" THEN INPUT "180.50" CLIKC SEND.SHIP "10°" THEN INPUT "010.00"

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