BARO

29.92

1:3 100% 4

EDIT FIELDS MENU

Highlighted In Black. 7 editable fields per page, 29 possible values 2

DG Heading



Basic Data

Altitude

Baro Set

AoA

Vertical Speed

G Load, G Min, G Max

Bus Volts

Set Altitude ⁴

If Temp Probe

OAT, TAS, DALT

If GPS Connected

Waypoint ID

Distance To

Ground Speed

Track

XTE

DTRK

Bearing To

Climb Rate (ft/nm)

If AV-HSI Connected

Nav Mode

OBS

If Autopilot Connected

Autopilot Mode

If BeaconX connected

Squawk

If AV-Link+Sentry connected

CO – Carbon Monoxide

If Temp Probe + AV-MAG + **GPS**

Wind Vector

Wind Components

13920 96 SEL FIELD AV-30 **PUSH-SET**

Battery State

Select Current Page

Three Customizable Pages 1:3, 2:3, 3:3, AI

AI - Decluttered Attitude Indicator/Transponder Control Push RIGHT button to change page Hold RIGHT button for brightness setting

SETUP MENU

UI Style **UI** Font

HOURS

¹ AoA limits will be grayed out unless rotary knob is pushed

while applying power.

Push left button 2x **SETUP**

G Max/Min Reset Wireless GPS **Course Deviation** Glideslope Alert Volume AoA Alert Enable AoA Alert Thresholds 1 G Alert Enable **G** Alert Thresholds Roll Alert Enable Roll Alert Thresholds Turn Coordinator Mode 3 Min/Max Voltage **GPS Track Stabilization**

ROT TO SEL

SET BARO DG ADJ HDG BUG Hold button down to align with current heading **OBS** (with AV-HSI only) SRC SEL (with AV-HSI only)

SET ALT (with Autopilot or SALT overlay only) **SET VS** (with Autopilot only)

BUSV

MENU

AV-30

PUSH-SET

Push to cycle through options and rotate to change option

Close by cycling to end, pressing left button, or waiting 30

AUTOPILOT (with Autopilot only) SQUAWK (with tailBeaconX only)

Change Modes:

PUSH-SET Menu:

seconds

Options:

If Function unlocked, long hold button to change to DG mode.

12460 . BARO 29.92 SETUP ROT TO SEL >

Push left button 1x

EDIT FIELDS

SEL FIELD

Setting only allowed in certain fields). Some values are implemented with graphical indicators, other with textual fields.

² Not all values can be placed in

every field (IAS. Altitude and Baro

³ Standard Rate Bank Anale indicator requires temp probe.

⁴ Double beep and flash when crossing 200ft from set altitude. Solid color change when within 100 ft of set altitude

EDIT FIELDS MENU

Highlighted In Black.

7 editable fields per page,

28 possible values 1

Vertical Speed

G Load, G Min, G Max

Bus Volts

Set Altitude

If Temp Probe

OAT, TAS, DALT

If GPS Connected

Waypoint ID

Distance To

Ground Speed

Track

XTE

DTRK

Bearing To

Climb Rate (ft/nm)

If AV-HSI Connected

OBS

Nav Mode

If Autopilot Connected

Autopilot Mode

If BeaconX connected

Squawk

If AV-Link+Sentry connected

CO – Carbon Monoxide

If Temp Probe + AV-MAG + **GPS**

Wind Vector

Wind Components²

¹ Not all values can be placed in every field (Altitude and Baro Setting only allowed in certain fields). Some values are implemented with graphical indicators, other with textual fields.

² Interpreting wind: Up arrow = tailwind Arrow pointing left = wind pushing on left of aircraft

AV-30 Quick Reference Card Directional Gyro Mode



Available

Pages:

DG Rose GPS Rose DG HSI **GPS HSI** DG Arc GPS Arc

Battery State



Select Current Page

Three Customizable Pages 1:3, 2:3, 3:3, AI

AI - Decluttered Attitude Indicator/Transponder Control Push RIGHT button to change page Hold RIGHT button for brightness setting

SETUP MENU

UI Style **UI Font** G Max/Min Reset Wireless GPS Course Deviation (ARC page) Glideslope (ARC page) Min/Max Voltage **GPS Track Stabilization HOURS**



KABQ BRG XTE 20nm SETUP ROT TO SEL >

Push left button 1x

EDIT FIELDS

SEL FIELD

Options: DG ADJ

seconds

PUSH-SET Menu:

HDG BUG Hold button down to align with current heading

Push to cycle through options and rotate to change option

Close by cycling to end, pressing left button, or waiting 30

- **SET BARO** (with ALT or BARO overlay only)
- **OBS** (with AV-HSI only)
- SRC SEL (with AV-HSI only)
- **SET ALT** (with Autopilot or SALT overlay only)
- **SET VS** (with Autopilot only)
- **AUTOPILOT** (with Autopilot only)
- **SQUAWK** (with tailBeaconX only)

Change Modes:

If Function unlocked, long hold button to change to MFD (if enabled), CDI (if enabled) or AI mode.

Support: (844) 827-2372



Transponder Control Display State

Field Values Displayed

SQWK

Squawk code

NIC

NIC encoding is used to indicate the radius of containment around the aircraft. 91.227 requires a minimum NIC of 7.

PALT

Pressure altitude Flashing green indicates interrogation



IDENT

When identing, PALT will display IDT

Current Page Selector

Push to return to AI, DG, MFD or CDI screen

N Number

N number will be displayed correctly once the setup of the BeaconX transponder has been completed.

MODE

ALT – altitude = STBY – standby ON – on

NACp

This indicates the accuracy of the aircraft position being transmitted. 91.227 requires a minimum NACp of 8.

STAT

Status of transponder

TESTING

- Set transponder mode to STBY
- 2. Option 1
 - Go to the tailBeaconX and connect using the tailBeacon app.
 - When app opens, go to the bottom of page and push "GND TEST MODE"
- 3. Option 2
 - a) Go to the AV-30 Install Menu
 - b) Select BEACONX GTM then push "ENABLE"
- Now set the AV-30 to ALT.
- tailBeaconX will now respond to all calls from transponder test sets.

Squawk Set Mode



VFR/MODE

Press to quick-set SQUAWK to VFR.

Press and hold for transponder mode control followed by press and release to change mode.

Push to enter SQUAWK mode • Rotate to change value • Push to advance and accept

Flight ID Mode



While in the SQUAWK setting menu, push and hold to switch to FLIGHT ID entry mode.



MFD (Traffic Display)

Track Bug

Bearing to GPS

waypoint

Select

1:1 OR AI

For tailBeaconX

Traffic Status

- NO DATA AV-Link not connected/not functional
- NO GPS SRC ADS-B In unit not sending GPS data, AV-30 has no configured GPS source, and no ownship traffic target found
- **NO GPS FIX** No GPS source reports valid coordinates
- **NO ADSB IN** No ADS-B source available
- NO ALTITUDE No source reports valid altitude
- NO GPS HDG No source reports valid heading

Scale

0.33 TO 40 NM Rotate center knob to zoom

FILTER

- NORMAL Filter ownship, traffic above and below 2700 feet relative to ownship.
- ABOVE Filter ownship, traffic above 8700 feet and below 2700 feet relative to ownship.
- **BELOW** Filter ownship, traffic above 2700 feet and below 8700 feet relative to ownship.
- **ONLY OWN** Filter only ownship.
- NONE Displays all traffic and ownship.



NORMAL

Flight Plan TRAFFIC - Optional GPS Flight Plan

Overlay

OWNSHIP ICAO

Enter ICAO number Rotate knob to change value, press knob to advance cursor



Highlighted tracked target Direction of Flight, Relative Altitude*, and

Ascent Indicator

*Pitot and static must be connected to display proper relative altitude.



GPS track

Heading and position will be established by the first available out of the following GPS sources: Wi-Fi ADS-B In Unit

AV-30 Connected GPS Ownship Traffic Target

> VSI Optional

www.uavionix.com/support Support: (844) 827-2372 Vertical Speed Overlay

FOR REFERENCE ONLY



Course Deviation Indicator Mode

EDIT FIELDS MENU

Highlighted In Black. 6 editable fields per page, 25 possible values



Basic Data

Blank

DG Heading

Vertical Speed

G Load, G Min, G Max

Set Altitude

If Temp Probe

OAT, TAS, DALT

If GPS Connected

- Waypoint ID
- Distance To
- **Ground Speed**
- Track
- XTE
- DTRK
- Bearing To
- Climb Rate (ft/nm)

If AV-HSI Connected

- OBS
- Nav Mode

If Autopilot Connected

Autopilot Mode

If BeaconX connected

Squawk

If AV-Link+Sentry connected

CO – Carbon Monoxide

If Temp Probe + AV-MAG + **GPS**

- Wind Vector
- Wind Components

Available Only with AV-HSI

Magenta – GPS Green - VLOC

Battery State



Three Customizable Pages 1:2, 2:2, Al

Push RIGHT button to change page Hold RIGHT button for brightness setting

AI - Decluttered Attitude Indicator/Transponder Control

PUSH-SET Menu:

Push to cycle through options and rotate to change option Close by cycling to end, pressing left button, or waiting 30 seconds

PUSH-SET

Options:

- **OBS** (with AV-HSI only)
- SRC SEL (with AV-HSI only)

AV-30

- SET ALT (when an overlay)
- **SQUAWK** (with BeaconX)

Change Modes:

Long hold button changes mode to AI.

SETUP MENU

UI Style **UI Font** G Min/Max Reset Wireless GPS Min/Max Voltage **GPS Track Stabilization HOURS**

> Push left button 2x **SETUP ROT TO SEL**



Push left button 1x

EDIT FIELDS

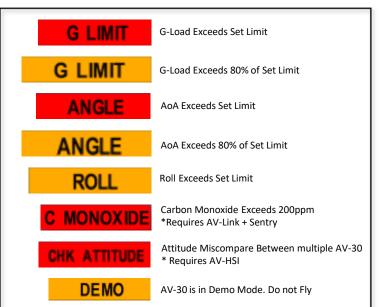
SEL FIELD



Alerts and Flags

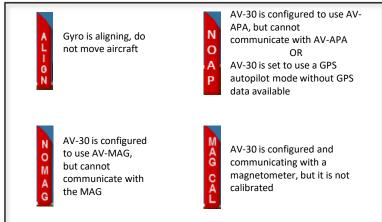
ALERTS





FLAGS







GPS Ground Track Reference

Shown when in GPSbased autopilot mode but displaying DG Heading



Autopilot Bug Indicates the direction commanded to the autopilot



DG Heading Reference

Shown when in autopilot is following heading bug, but AV-30 is displaying GPS Track

Autopilot Modes

- Off
- **Heading Bug**
- GPSS (1)(2)
- Track Bug (1)
- Waypoint Desired Track (1)(4)
- Waypoint Bearing (1)(4)
- ForeFlight (2)(3)
- Requires GPS
- Requires Advanced Autopilot Unlock
- Requires AV-Link and ForeFlight
- AV-APA or RS-232 Autopilot only

FOR REFERENCE ONLY