

INSTAL MENU¹

UNIT FUNCTION
FUNCTION LOCK
PITCH TRIM
ROLL TRIM
SLIP TRIM
OAT TRIM
SPD ASST
IAS TRIM LO
IAS TRIM HI
ALT TRIM LO
ALT TRIM HI
PITOT ZERO
AOA FUNC
IAS UNITS
TAS UNITS

IAS VSpeed Limits:
VS0, VS1, VFE, VNO,
VNE, VMC, VYSE

BARO UNITS
TEMP UNITS
GPS NAV SRC
SERIAL 1
SERIAL 2
SERIAL 3
SERIAL 4
STATE SYNC
AID MODE
AVMAG INSTL
AVMAG CAL
AVMAG YAW
MAG MONITOR
VIBE MONITOR
GYRO CAL
INT MAG CAL
AV-APA CFG
AV-APA THRU
DEMO MODE²
RESET AVLINK
BEACONX GTM
SW PART NUMBERS
SW VERSIONS
SW CHECKSUM
SW CERT

¹ To access the installation menu, push-and-hold the rotary knob button while applying power.

² While in Demo Mode, hold both left and right buttons to reset unit to factory defaults.

Push left button
INSTALL
ROT TO SEL



AV-30 Quick Reference Card

AI Normal Display State



Battery
State

SET BARO Rotate/Push 1x • Rotate to trim • Push to set
DG ADJ³ Push 2x • Rotate to trim • Push to set
HDG BUG Push 3x • Rotate to trim • Push to set
Hold button down to align with current heading
SET ALT Push 4x • Rotate to desired alt • Push to set
SET VS⁴ Push 5x • Rotate to desired VS • Push to set
AUTOPILOT⁴ Push 6x • Rotate to desired Mode • Push to set

- A Given Entry Will Not Be Available If Not Configured For Display
- Push and Hold to Toggle AI/DG/MFD Mode (if not locked)

³ With AV-Mag, DG ADJ is last available Push to set option

⁴ Only available when autopilot configured



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
Alert Volume
AoA Alert Enable
AoA Alert Thresholds⁵
G Alert Enable
G Alert Thresholds
Roll Alert Enable
Roll Alert Thresholds
GPS Track Stabilization
HOURS

⁵ AoA limits will be grayed out unless rotary knob is pushed while applying power. See ¹

Push left button 2x
SETUP
ROT TO SEL



EDIT FIELDS MENU
Highlighted In Black.
7 editable fields per page,
20 possible values⁶



Push left button 1x
EDIT FIELDS
SEL FIELD

Basic Data

- Blank
- DG Heading
- IAS
- Altitude
- Baro Set
- AoA
- Vertical Speed
- G Load
- Bus Volts
- Set Altitude

If Temp Probe

- OAT
- TAS
- DALT

If GPS Connected

- Waypoint ID
- Distance To
- Ground Speed
- Track
- XTE
- DTRK
- Bearing To

If Autopilot Connected

- Set Vertical Speed Bug (overlaid on Vertical Speed)

If BeaconX connected

- Squawk

If AV-Link+Sentry connected

- CO - Carbon Monoxide

⁶ Not all values can be placed in every field (IAS, Altitude and Baro Setting only allowed in certain fields). Some values are implemented with graphical indicators, other with textual fields.

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



AV-30 Quick Reference Card

DG Normal Display State

EDIT FIELDS MENU

Highlighted In Black.

7 editable fields per page,

14 possible values

Basic Data

- Blank
- DG Heading
- G Load
- Bus Volts
- Set Altitude
- Altitude
- Baro Set
- Vertical Speed

If Temp Probe

- OAT
- TAS
- DALT

If GPS Connected

- Waypoint ID
- Distance To
- Ground Speed
- Track
- XTE
- DTRK
- Bearing To

If BeaconX connected

- Squawk

If AV-Link+Sentry connected

- CO – Carbon Monoxide

Not all values can be placed in every field. Some values are implemented with graphical indicators, other with textual fields. DG Mode allows fewer values.

Push left button 1x
**EDIT FIELDS
SEL FIELD**

¹ With AV-Mag, SET HDG BUG is first (Push 1x) and DG ADJ is last (Push 2x)

² When on HDG bug adjustment, hold down the rotary knob for the heading bug to align with the current heading.



(Rotate) **SET HDG BUG**
(Push 1x) **DG ADJ** ¹
(Push 2x) **SET HDG BUG** ²
Rotate to Change Value



Rotate to select field • Push to enter edit mode •
Rotate to change value • Push again to accept

SETUP MENU

UI Style
UI Font
GPS Track Stabilization
HOURS

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

Current Page Selector

3 Customizable Pages, plus 1
Decluttered AI / XPDR control



INSTALL MENU ³

Unit Function
Function Lock
GPS NAV SRC
Serial 1
Serial 2
Serial 3
Serial 4
State Sync
AID mode
AVMAG INSTL
AVMAG CAL
AVMAG YAW
MAG monitor
VIBE monitor
GYRO CAL
INT MAG CAL
AV-APA CFG
AV-APA THRU
Demo Mode
Reset AV-Link
BEACONX GTM
SW Part Numbers
SW Versions
SW Checksum
SW Cert

Push left button 3x
**INSTALL
ROT TO SEL**

³ To access the installation menu, push-and-hold the Rotary Knob button while applying power.



AV-30 Quick Reference Card

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



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
- 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"
- Option 2
 - Go to the AV-30 Install Menu
 - 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

Current Page Selector

Push to return to AI, DG or MFD screen

Flight ID Mode



If SQUAWK is displayed, push and hold to enter FLIGHT ID entry mode.

AV-30 Quick Reference Card

MFD (Traffic Display)

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

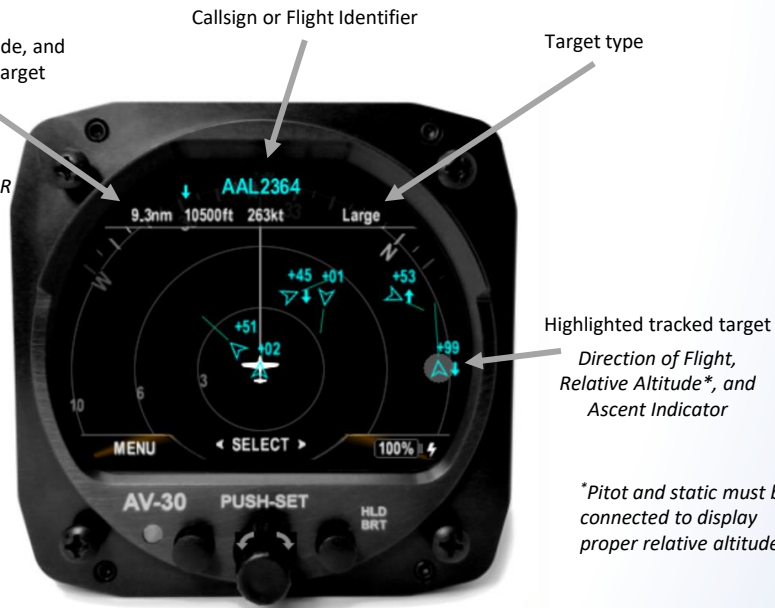


Traffic Count

- **NO TRAFFIC** – Zero aircraft detected OR ADS-B In unit not reporting traffic
- **X AIRCRAFT** – Number of aircraft detected, including those filtered and those off-screen

Select

1:1 OR AI
For tailBeaconX



OWNSHIP ICAO

Enter ICAO number

1. Rotate to change position
2. Push to change
3. Rotate to change value
4. Push again to accept
5. Push right button to save



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