AV-30 Quick Reference Card

AI Normal Display State

INSTALL MENU [1]

UNIT FUNCTION
FUNCTION LOCK
PITCH TRIM
ROLL TRIM
SLIP TRIM
OAT TRIM
IAS TRIM
ALT TRIM
IAS UNITS

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

BARO UNITS
TEMP UNITS
GPS NAV SRC
SERIAL 2
SERIAL 3
AID MODE
VIBE MONITOR
GYRO CAL
MAG CAL
DEMO MODE [2]
HW P/N
SW P/N
SW VERSION
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.*

Battery State

SET BARO Push 1x • Rotate to trim • Push to set
SET DG ADJ Push 2x • Rotate to trim • Push to set
SET HDG BUG Push 3x • Rotate to trim • Push to set
Heading bug can align with heading when button held down
SET ALT Push 4x • Rotate to desired alt • 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)

Select Current Page

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

AI - Decluttered attitude indicator/Xpdr Control
Push RIGHT button to change page
Hold RIGHT button for brightness setting

Push left button 1x
EDIT FIELDS
SEL FIELD

EDIT FIELDS MENU
Highlighted In Black.
7 editable fields per page,
20 possible values [3]

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

[3] *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.*

Push left button 3x
INSTALL
ROT TO SEL

SETUP MENU

UI Style
UI Font
Alert Volume
AoA Alert Enable
AoA Alert Thresholds [4]
G Alert Enable
G Alert Thresholds
Roll Alert Enable
Roll Alert Thresholds
GPS Track Stabilization
HOURS

[4] *AoA limits will be grayed out unless rotary knob is pushed while applying power. See* [1]

Push left button 2x
SETUP
ROT TO SEL

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AV-30 Quick Reference Card

DG Normal Display State

Current Page Selector
3 Customizable Pages, plus 1 Decluttered AI / XPDR control

SETUP MENU

UI Style
UI Font
GPS Track Stabilization

Push left button 2x
SETUP
ROT TO SEL

EDIT FIELDS MENU
Highlighted In Black.
7 editable fields per page,
14 possible values

Basic Data
- Blank
- DG Heading
- G Load
- Bus Volts

If Temp Probe
- OAT
- TAS
- DALT

If GPS Connected
- Waypoint ID
- Distance To
- Ground Speed
- Track
- XTE
- DTRK
- Bearing To

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 1x) **SET HDG**
(Push 2x) **SET HDG BUG** [1]
Rotate to Change Value

Push left button 1x
EDIT FIELDS
SEL FIELD

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

INSTALL MENU [2]

Unit Function
Function Lock
GPS Input Config
Serial 2 Config
Serial 3 Config
AID mode
VIBE monitor
GYRO CAL
MAG CAL
Demo Mode
Software Version
Software Checksum

Push left button 3x
INSTALL
ROT TO SEL

[1] *When on HDG bug adjustment, hold down the rotary knob for the heading bug to align with the current heading.*

[2] *To access the installation menu, push-and-hold the Rotary Knob button while applying power.*

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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

IDENT
When identing, PALT will display IDT

Current Page Selector
Push to return to AI, DG or MFD screen

TESTING

1. Set transponder mode to STBY
2. Go to the tailBeaconX and connect using the tailBeacon app.
3. When app opens, go to the bottom of page and push "GND TEST MODE"
4. Now set the AV-30 to ALT.
5. tailBeaconX will now respond to all calls from transponder test sets.

Squawk Set Mode

MODE
Used to change transponder mode

Push to enter SQUAWK mode • Rotate to change value • Push again to accept

Flight ID Mode

If Squawk is displayed, push and hold to enter flight ID mode.

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AV-30 Quick Reference Card

AV-Link Traffic Display

GPS track
Heading will be established by the ADS-B unit connected

Scale
0.33 TO 40 NM
Rotate center knob to zoom

Select
1:1 OR AI
For tailBeaconX

Distance, altitude, and airspeed of target

Callsign or Flight Identifier

Target type

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

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

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.*

OWNSHIP ICAO
Enter ICAO number

Rotate to change position • Push to change • Rotate to change value • Push again to accept • Push right button to save

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