



SkyBuddy User's Guide

POWER UP. Plug the unit into any 12-28 vdc power source. There is no power switch, so the Sky Buddy will be "ON" any time there is power to the unit. Two knobs and one pushbutton switch control the various functions of the unit. Upon powering-up, the message "P2 Sky Buddy" will appear for 15 seconds. After which, a series of four dashes (- - -) will be seen in both the HEADING and ALTITUDE windows. The dashes are only seen upon power-up and are used to confirm LED operation. They will not be seen once a knob is rotated out of this state. The unit is now ready for operation.

MOUNTING. The unit can be remotely mounted above or below the glareshield or on the control yoke. Use Velcro or the optional mounting bracket. NOTE: THIS PLUG-IN UNIT IS NOT FAA APPROVED FOR PERMANENT INSTALLATION. However, an FAA Field Approval may be obtained.

OPERATION

(1) HEADING SELECT KNOB. Rotates in either direction, with detents. By turning this knob, you can display a given heading from 001 to 360 degrees. Turning clockwise increases the numbers and counter-clockwise decreases them.

After power-up: Displays three dashes (- - -), and is in the 5 degree resolution mode.

Rotating the knob counter-clockwise: OFF, 360, 355, 350, 345.....010, 005, OFF, 360, 355, etc.

Rotation the knob clockwise: 005, 010, 015..... 345, 350, 355, 360, OFF, 005, 010, etc.

By pushing the heading select knob in one time, you change the display resolution from 5 degree to 1 degree increments. Push it again and the resolution reverts back to the 5 degree changes.

The OFF mode only turns those display numbers off, not the Sky Buddy unit itself.

The larger increments (045, 115, etc) is used for departures and ATC radar vectoring. The 1 degree increments (089, 327, etc) is used enroute as an airway heading reminder or for IFR approaches, such as the inbound course on an ILS.

(2) ALTITUDE SELECT KNOB. Rotates in either direction 360 degrees, with detents. Turning clockwise increases the numbers and counter-clockwise decreased them.

After power-up, the display shows four dashes (- - - -), and is in the 100' increment mode.

Rotating the knob counter-clockwise from the dashes: The display numbers are turned OFF.

There are three altitude ranges, each with different resolutions:

0'-10,000'- 10' or 100' increments.

10,001-18,000 - 100' or 500' increments

18,001' and above - 1,000' increments only.

By pushing the knob momentarily, you change the increments back and forth between each altitude range.

(3) LIGHT DIMMER. The unit has five levels of birghtness, with 1 being the brightest and 5 being the lowest. When the unit is initially powered-up, it starts at the brightest level (1). By pressing the DIM button, you cycle the brightness levels. the sequence is 1, 2, 3, 4, 5 then back to 1, 2, 3, 4, 5 etc. These five settings give the user a variety of lighting levels to accommodate various conditions.



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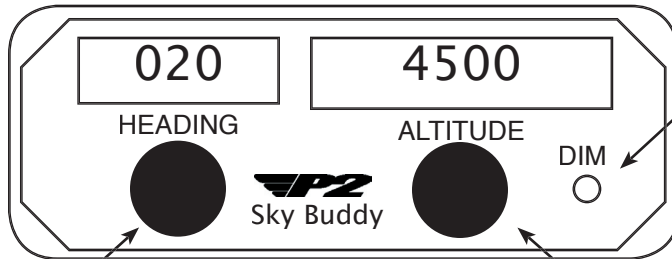
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LED Displays



(1) HEADING SELECT KNOB

OFF, - - -, 001-360 DEGREES

Unit powers-up, then displays three dashes (- - -)

TURN CLOCKWISE TO INCREASE NUMBERS

TURN COUNTER-CLOCKWISE TO DECREASE NUMBERS

AFTER THE "OFF" MODE WILL BE FOUND BETWEEN 360 AND 005 (OR 001), IF IN 1 DEGREE MODE.

Turn counter-clockwise one detent: Off

Turn clockwise- Increase 5 degrees per detent

Push knob to toggle between 5 and 1 degree increments.

(2) ALTITUDE SELECT KNOB

OFF, - - - - , 0' TO 50,000'

CLOCKWISE TO INCREASE ALTITUDE

COUNTER-CLOCKWISE TO DECREASE ALTITUDE

Altitudes from 0' to 10,000': 10' AND 100' RESOLUTION

Powers-up in 100' increments

Push - changes in 10' increments

Push - reverts to 100' increments

Push - repeat

Altitudes from 10,000' to 18,000': 100' AND 500' RESOLUTION

Powers-up in 100' increments

Push - changes in 100' increments

Push - reverts to 500' increments

Push - repeat

FL 18,000' and above: 1000' INCREMENTS ONLY

(3) LIGHT DIMMER

Five light levels, 1-5
(High to Low)

Powers-up to level 1 (HI)

Push - dims to level 2

Push - dims to level 3

Push - dims to level 4

Push - dims to level 5

Push - back to level 1



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