Apollo SL30

User's Guide Supplement

Part No. 561-0276-00

Use the enclosed pages to supplement your Apollo SL User's Guide (P/N 560-0404-00a). These pages are added to include information about the Distance-Speed-Time function included in Software Version 1.2. Additional information is provided about viewing the display. The pages in this supplement will make the information in your manual current with Software Version 1.2 and User's Guide 560-0404-01.

Getting Started

Combining a powerful 760 channel VHF communications transceiver with 200 channel VOR, Localizer and Glideslope receivers, the SL30 provides a full-functioned navigation and communications solution in a small footprint at a very affordable price. Besides traditional Nav/Comm features, the SL30 also incorporates workload-reducing functions such as automatic decoding of the Morse code station identifier for VOR/LOC, most-used frequency storage in memory, built-in course deviation indicator, and more.

The SL30, the smallest Nav/Comm on the market, is loaded with features and functionality. The only Nav/Comm with the ability to monitor the standby Comm and Nav frequencies, the SL30 VHF Nav receiver operates from 108 MHz to 117.95 MHz decoding both the VHF Omni Range and Localizer navigation signals. The built in Glideslope receiver will automatically tune the corresponding glideslope paired frequencies (328 MHz to 335 MHz) when the localizer is tuned. The SL30 includes the powerful yet efficient 8 watt comm transmitter used in the other Apollo Slimline and GX avionics.

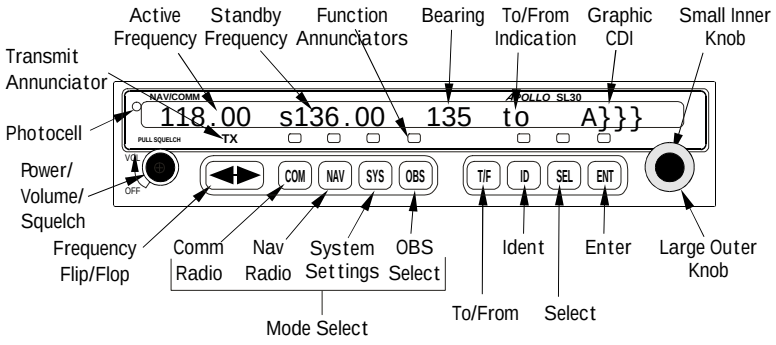


Figure 1 - SL30 Front Panel Description

Display

The Apollo SL30 Nav/Comm uses a single line by 32-character 5x7 dot matrix alphanumeric display. A photocell is located in the top left corner of the front panel display. The photocell automatically controls the light intensity of the display LEDs from low brightness at night to high brightness during daylight operation. The lens is polarized to reduce reflections. Using polarized sunglasses may make it difficult to view the display.

TX A transmit (TX) indicator located above the **FLIP/FLOP** button lights when the Comm radio is transmitting.

Controls

Power On/Off - Volume - Squelch

The knob on the left side of the SL30 controls power on/off, volume, and squelch test. Rotate the knob clockwise (CW) past the detent to turn the power on. Continuing to rotate the knob to the right increases speaker and headphone amplifier volume level. Rotate the knob to the left to reduce the volume level. Pull the knob out to disable automatic squelch. The SL30 may be configured to have the volume knob control Nav and intercom volume, as well as Comm volume .

Large/Small knobs

The dual concentric knobs on the right side of the SL30 are used to select frequencies, to view the features available within a function, or make changes. Details are provided in the appropriate sections.

Flip/Flop

Press the **FLIP/FLOP** button to switch between the active (left-most) and standby (right-most) frequency. Switching between Com frequencies is disabled while you are transmitting.

Comm

Press **COM** to select the Comm radio mode. The annunciator will light above the button when you are in Comm mode. Press **COM** a second time to monitor the

Remote Localizer List

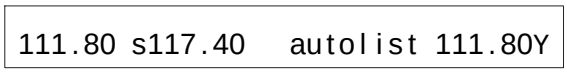
If Localizer channels have been sent by an external device, then this list will be the first displayed for convenience while preparing for a landing. The list shows the airport identifier on the left, a runway identifier for the station in the center, and the channel frequency on the right. If multiple Localizer frequencies are available at the destination airport, a Y will be shown on the right side of the display. The **SMALL** knob will scroll through the entries in the order they were sent.

Remote VOR list

If VOR channels have been sent by a remote device, then this list will be the next available. The channels show the identifier, the "vor" label, and the frequency.

Automatic Nav Channel List

The last ten used active frequencies are available. The channels are stored in chronological order beginning with the most recent used. Duplicates are not saved again, but are moved to the front of the list.



Nav User Channel List

The Nav channels that you saved are in this list. This list is arranged alphabetically by name. Selection is simply by means of rotating the **SMALL** knob to view the channels.

DST Data Display

When the SL30 has received data from an external device, such as a DME sensor, through the serial port, DST data is added to the Nav recall list. If you aren't connected to an external sensor, you will not see this display. If the display of Distance-Speed-Time (DST) data is not activated, you will be prompted to show the data when you view the DST selection in the channel recall lists.

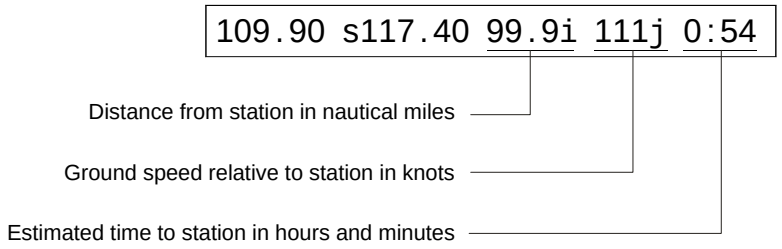
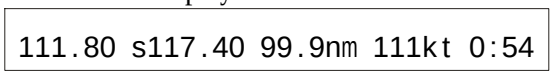


Figure 7 - DST display description

Enable DST Data Display

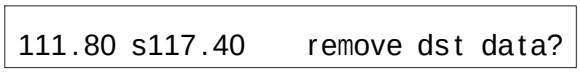
1. In Nav mode, press **SEL**. Then, turn the **LARGE** knob to the DST Data list.

2. Press **ENT** to enable the display of DST data. DST information will now replace the Nav information on the Nav mode display.



Disable DST Data Display

1. In Nav mode, press **SEL**. Then, turn the **LARGE** knob to the DST Data item.



2. Press **ENT** to disable the display of DST data. The DST data display may be deactivated by pressing either **T/F** or **OBS** in addition to the "Remove DST Data?" screen.

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