

Icarus Instruments, Inc.

Voice Alert System (VAS)



www.donmask.com

Quick Start Guide Rev 1.1

September 2015

Installation

Plug the Lemo plug at the end of the captive cable into the headset jack in your aircraft. Plug your Lemo equipped headset into the jack labeled "**Headset**" and put it on to perform the one time initialization.

If you have the optional Master Warning/Caution cable, plug it into its mating connector. (Your service center must first install the mating connector and wiring to the relevant aircraft signals)

Initialization

If you have the optional cable, check that the Master Warning and Master Caution lights are off.

You can decide if you want VAS to trigger the "Don Oxygen Mask" alert below or above the aircraft's built-in cabin pressure alert altitude. To avoid nuisance alerts, it is suggested that this altitude be set several hundred feet **above** the maximum cabin altitude that your aircraft experiences in normal operation.

Press in and hold the button on your VAS before you turn on your avionics master, which applies power to your headset jack.

Tap the button to set the altitude that will trigger the "Don Oxygen Mask" cabin pressure alert. It will advance in 100 foot steps from 7,000 feet to 14,900 feet. You do not have to wait for the entire altitude phrase to be annunciated, so press it fast until you get close to the desired altitude. After a short delay, you will hear an Oscar Kilo (OK) message when this altitude has been stored. This altitude is stored in a non-volatile memory, but can be changed at any time by following this procedure.

Operation

You can tap the button at any time to hear the present cabin altitude as measured by VAS. You can compare this with the aircraft's cabin pressure gage to verify that they match, ensuring that VAS is working properly.

If you **hold** the button down, you will hear the cabin altitude, followed in ten seconds by "Don Oxygen Mask" followed by the current alert altitude.

If you have the optional cable, you will hear "Check Master Warning" or "Check Master Caution" when these lights illuminate. If they are not reset within 5 seconds and they are flashing, the alert will repeat.

VAS Fail-Safe Feature

Since VAS is in-line with your headset, it is vital that no failure affects access to your radios for ATC communication. VAS connects your headset DIRECTLY to your audio panel, bypassing all the active electronics in the module. Anytime a VAS message is triggered, a relay switches in the VAS voice circuits, while also mixing in ATC audio. After the message, the relay reverts to its passive pass through position.