

This voice synthesized "Checklist" APP is designed to provide you, the user, with the ability to fully define, setup and create custom "Checklists" with specific "Tasks" defined for each Checklist. Two table views are created, one for Checklists and one for the Tasks within each Checklist. The size of these lists is completely controlled by you as you add, edit and/or delete items in these lists.

The prime target for this APP is for private or commercial pilot's aircraft checklists. A voice synthesizer is built into this APP so the content of the Task list for the selected Checklist will speak directly into the earphones of the pilot and crew when requested without further pilot or crew interaction. This frees the pilot's hands without having to read from paper Checklists. This audio input requires an Apple earphone plug to be inserted into the iPhone or iPad and directly wired into the audio panel of the aircraft at an appropriate input. Your maintenance mechanic will know how to do this using standard auxiliary audio inputs.

It is important to know that this generic Checklist APP is also applicable to a very wide variety of other applications such as equipment procedures, recipes, family relationships, medical prescriptions, assembly instructions, business SOPs and many, many other uses. Let your imagination roam. Get creative and be bold.

When this APP is first downloaded, it has blank Checklists and Tasks. You must create and add the details to suit your own needs using the keyboard on your mobile device. For pilots, every aircraft of interest has a defined Checklist for each stage of flight, including for various emergency procedures. Use these as a starting point then edit to suit your own needs and aircraft. The entered information will be safely stored in core memory within your mobile device to be readily available to you when you need it.

Since there are timing differences between devices and software versions, this feature lets you control the voice pitch and speed to suit your own needs. Tap the "Voice Setup" button on your first screen and move the pitch and speed sliders to set the voice to your liking. Then tap the "Save" button. Then click the "Back" button to return to the start screen. Push the "Checklist" button to view your Checklist page.

To create a Checklist simply tap the "+" sign on the top right of the Checklists table view navigation bar. Enter the name of the new Checklist in the blank space provided, and then tap Save. The new Checklist will be shown in the table view. Similarly if you left swipe the checklist the red delete button will be shown. Tapping delete will remove that checklist from the table view (and all of its related tasks). The EDIT button also opens a delete and move capability for you to use. Simply select the right lines on a specific Checklist and move the selected item to the list location of your choice, then tap the Done button. The order of these Checklists (and Tasks) is completely controlled by you.

Once your checklists have been defined by you, tapping a selected Checklist will now take you to the "Task" table view where you can specify individual tasks by tapping the "+" sign on the top right of the Tasks Table view navigation bar. Each tap will add a single task to the table. Tasks may also be edited, deleted or moved in the same manner used for individual Checklists.

For Tasks there are 2 entries required, namely: Task detail and the Task delay. Task detail is the actual task of interest such as "Check static vent". Task delay is the time (in seconds) that you wish to pause after this entry is spoken after the TALK button is pressed. For example, if a specific task requires 4 seconds for you to validate, then enter 4 seconds into the delay window. The next task will then be spoken at the right time without being too soon or too late for efficient cockpit sequencing. You have complete control of this delay time.

An additional feature is to set the delay to zero. When a 0 is detected, the APP will speak the phrase and then it raises an alert view with a NEXT button. In this case the APP will not proceed until the pilot or crew taps the NEXT button. This feature is handy when the execute times are highly variable, such as dipping a gas tank to confirm fuel levels or checking generator belts or oil levels. This is also more common for external checklists such as a walk around check for the aircraft. There is also a Cancel button available if, for any reason, the pilot or crew chooses to abort the checklist after finding an issue, which needs attention.

When the TALK button is pressed, the APP audio speaks the Task detail in sequence, starting at the top of the table view, then waits for the specified delay time before speaking the next task into the pilot's earphones. Setting the volume of the voice synthesized output is accomplished using the volume buttons on the iPhone/iPad.

Both Checklists and Tasks may be edited by simply tapping the small circled "i" in the desired table view item. Make the changes necessary and tap Save to complete your editing. The newly modified item will be seen in your table view. You can edit as often as you want to ensure correct and current information is available at all times.

Checkout my other aviation APPs on the APP Store. There are several simple APPs which can make the life in the cockpit much more effective and enjoyable, including GPS, flight timer and logbook APPs.

iTunes can point you to all of the other links.