

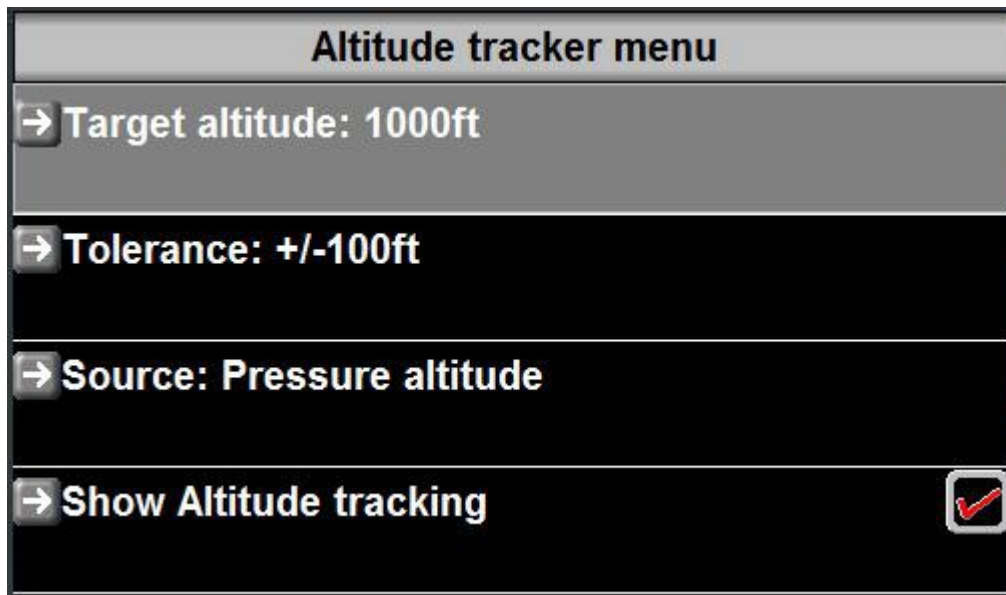
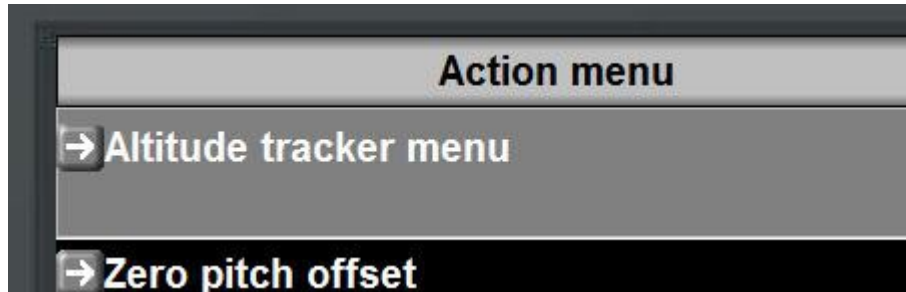


## **Altitude guidance components and use for iEFIS G3**

## General

The iEFIS G3 firmware from version 1.0.4.3 upwards contains several screen items that can be used by the screen designer to construct an altitude guidance or tracking display.

In addition the underlying functionality required has been added and is accessible via the ACTION menu.



### ***Target altitude***

Enter the altitude you want to follow. Note: The altitude must be a positive value.

### ***Tolerance***

Enter the tolerance required. The display will draw your attention if you are above or below the target altitude by an amount greater than the allowed tolerance.

### ***Source***

Select the altitude source you want to use.

## **Show Altitude tracking**

Here you can disable or enable the altitude tracking screen components to be visible or not.

## **Setting up the altitude tracker or guidance**

The visible screen components do not form part of the standard screen items. They have to be added in one of the usual ways:

A custom screen design (see document iEFIS Alteration guide).

A relocatable screen module either provided by MGL Avionics or from other sources. Refer to the “Relocatable screen modules” on how to install this.

In addition you need to enable the altitude tracker in Equipment Enables Menu (under the system setup menu).

Equipment enables	
→ VHF COM 1 used in system	<input checked="" type="checkbox"/>
→ VHF COM 2 used in system	<input type="checkbox"/>
→ Transponder used in system	<input checked="" type="checkbox"/>
→ ADSB used in system	<input type="checkbox"/>
→ Pitch trim request display	<input type="checkbox"/>
→ Roll trim request display	<input type="checkbox"/>
→ Panel based Flap/Trim control	<input type="checkbox"/>
→ Altitude tracker enable	<input checked="" type="checkbox"/>

If you use an external source for the altitude tracker, you need to configure that too. For example you may have the AgLaser device connected to a RS232 serial port. In that case you need to tell your EFIS where to find it:

### **Serial port routing/allocations**

→ **RS232 port 1 (Internal): Not used**

→ **RS232 port 1 (External): AgLaser altimeter**

→ **RS232 port 2 (External): MGL NAV/COM 1 radio**

→ **RS232 port 3 (External): Not used**

## Using the altitude guidance (relocatable screen module)

This description is based on the standard relocatable module available from the MGL Avionics website as download. As it is possible to use any of the items that make up a module in a custom screen design or a module supplied from other sources it may differ in your installation.

