How to fast-set tones

There are 191 VDIs, each can be assigned a tone. The 'standard' tone setup is to start with tone 65 at VDI=-95 and increment the tone with each VDI up to tone 255 at VDI=+95.

You may want to set up custom tone IDs, perhaps to assign an entire region a single tone. Ferinstance, let's say you want tone 65 for all VDIs -95 through -1 (normal iron region):

- Go to *Audio->Tone->Tone ID Mode* and select "Custom"; then select "Edit"
- Go to VDI -95; set the tone to 65
- Press/hold Enter, then press the Down Arrow until you get to VDI -1.

This will "drag" through all the VDI's from -95 to -1 and apply tone 65 to them.

Note: Make sure you have "Tone ID" enabled under Search Audio. Tone ID is not available in All Metal mode.

Tip: If you map out your ranges and tones on paper first, then applying them takes only a minute or so.

Tip: If you have a preferred Tone ID setup you want to use in multiple programs, then set the tones in the "Common" program, and use the "Exclude" method to apply the "Audio Tones" to other programs.

How to fast-set discrimination masks

There are 191 VDIs, each one can be individually accepted or rejected in discrimination mode. You may want to set up a custom disc. mask, perhaps to cherry pick a specific conductance range. Ferinstance, let's say you want to reject iron up to VDI = -6, then accept VDI = -5 to +35, then reject +36 to +95:

- Go to *Discrimination->VDI Selected by* and select "VDI"; then select "Edit"; this will pop up a "VDI Accept" box.
- Go to VDI -95; clear (un-X) the box for this VDI, this means it is NOT accepted.
- Press/hold Enter, then press the Down Arrow until you get to VDI -6.
- Go to VDI -5; set (X) the box for this VDI, this means it IS accepted.
- Press/hold Enter, then press the Down Arrow until you get to VDI +35.
- Go to VDI +36; clear (un-X) the box for this VDI.
- Press/hold Enter, then press the Down Arrow until you get to VDI +95.

Tip: You can "drag" through the VDIs in either direction.

How to quickly jump through ranges

Some settings have a large range of values. Ferinstance, "Ground Track Offset" is +/-100. If you want to change this offset, you can press the Up/Down arrow key (in the Live Control menu*) and patiently wait until the offset reaches the number you want. And then, if you decide you want to go back to the default setting, you can press the Down/Up arrow until it returns to the original value, if you can remember what the original value was.

You can also press/hold the Enter key while using Up/Down to quickly jump to the extremes of the range, and to also get back to the default setting. If the default Ground Track Offset = 0, press/hold the Enter key and press Up to go straight to +100; then press/hold Enter and press Down to return to the default of 0.

Tip: A little check mark () displays when the setting is at its default value. A delta symbol () displays when the setting has been changed.

*Or Left/Right, if you are in a "regular" menu. In general, Left/Right navigates through the Control Bar menus and Up/Down changes values. In the regular menus, Up/Down navigates and Left/Right changes values.

How to quickly ground balance

Most people know this one, but I'm including it to clarify the next short-cut.

To quickly ground balance:

- Pull/hold the trigger, then press/hold ENTER
- Bob the loop a few times over the ground until the threshold sound is pretty constant
- Release ENTER, then release the trigger

Tip: Check the ground first (use all-metal pinpoint) to make sure there are no metal targets where you are trying to ground balance.

How to quickly collapse menus

V3's expert menus can be rather deep in places. If you've drilled down several levels deep and want to quickly collapse the cascaded menus, then simply press/hold Menu and press the Left arrow key. Backed out too far? Press/hold Menu and press the Right arrow key to go back in.

How to lock Pinpoint mode

Suppose you have a Sunray probe and you want to put V3 in pinpoint mode while you are digging and pinpointing. With other White's detectors, you could flip the trigger switch forward to lock the pinpoint mode. V3 can be programmed to do that, but you then lose the Analyze capability.

To lock the Pinpoint mode without affecting Analyze mode:

- Pull/hold the trigger, then press/hold Enter
- Release the trigger first, then release Enter

Now V3 is locked in Pinpoint mode, and will remain there until you pull the trigger twice. Note that this is very similar to the ground balance technique above, and it is easy to confuse the two.

How to use bookmarks

If you have a few settings you like to play with in the Expert Menu and want a fast way to get to them without having to navigate the menu tree (assuming you remember where they are!), use bookmarks to tag them.

- To set a bookmark, press MENU+ENTER. A little bookmark symbol will appear.
- To quickly jump to successive bookmarks, press MENU+UP or MENU+DOWN.
- To clear a bookmark, press MENU+ENTER. The bookmark symbol will disappear.

Note: Bookmarks are global to all programs. You cannot set bookmarks differently in different programs.

How to quickly turn on the Backlight

Suppose you go out for a night hunt, it's dark, you turn on your V3 and forgot that the backlight was left OFF. You can't even see to navigate to the backlight setting. Simply press and hold the ON button for a few seconds and the backlight will kick on to max brightness.

How to quickly check your battery voltage

If you want to quickly check your battery voltage while hunting, simply press MENU+ENTER from the search screen. This will kick you to the "startup" screen, and the battery voltage appears at the bottom.

Tip: If you want the battery voltage to always show on the search screen, go to *Configure->Live Search Screen->Status Line->Show* and select "Battery".

How to hide/expand the Live Controls

By default, the Live Controls are displayed as a horizontal menu. You can completely hide them (to increase screen plot sizes), or expand them to include the settings (eats up more screen) by going to *Configure->Live Controls*. But there is also a short-cut while in the search screen:

- Press ZOOM-UP to show/expand the Live Control Bar.
- Press ZOOM-DOWN to hide/minimize the Live Control Bar.

Tip: When you want to find the quietest frequency offset, expand the LCB, scroll over to *Transmit Frequency-Offset*, and pull the trigger to get into Pinpoint mode. Go through the offsets and look for the setting that gives the least pinpoint noise. Minimize the LCB when done.

How to organize your Program list

V3 comes with 10 preset programs. You can, of course, add and delete from this list. But did you know you can also change their order?

- Go to Program->Select
- Scroll down to highlight a desired program
- Press/Hold ENTER, then press UP/DOWN to move to program through the list.

How to organize your Live Control Bar contents

The same method to organize your Program list also works on the Live Control Bar.

- Go to *Configure->Live Controls->Extend->Order*.
- Scroll down to highlight a desired item.
- Press/Hold ENTER, then press UP/DOWN to move to item through the list.

Note: "Extend" turns off the default Control Bar for whatever program you are in.

Tip: There is a special item **{~The End~}** that marks the end of the Control Bar contents. Move it up first to shorten the contents, then move in/out individual items.