CHIRP - Feature # 4881

Status:	Resolved	**Priority:**	Normal
Author:	Keith Williamson	**Category:**	
Created:	06/05/2017	**Assignee:**	Keith Williamson
Updated:	06/07/2017	**Due date:**	
Chirp Version:	0.4.0		
Model affected:	(All models)		
Subject:	Add Settings support to stock VX-8R.		
Description			

Current VX8 driver only supports settings for VX-8DR and VX-8GE. This effort adds settings support for stock VX-8R.

Associated revisions

Revision 2903:e7ce98c23586 - 06/06/2017 10:06 am - Keith Williamson

[vx8] Simple refactor that moves most VXDRadio class functions to VXRadio parent class. Fixes #4881
This is the first of two groundwork patches for adding Settings support for the VX-8R. This patch
produces no change in functionality.

Revision 2904:6710bdb49f30 - 06/06/2017 12:30 pm - Keith Williamson

[vx8] Mod to radio memory layout to accommodate diffs between models. Fixes #4881
Split the memobj aprs struct into three structs: shorter aprs struct, aprs_msg_macro
struct and aprs2 struct. The aprs_msg_macro[] struct and aprs2 struct are parameterized
differently in the VX8Radio class and VX8DRadio class _mem_params. Updated all
dereferences of memory elements formerly part of the aprs struct that are now part
of either the aprs2 struct or the aprs_msg_macro[] struct. There are no behavioral
changes to Chirp with this patch.

Revision 2905:4963f1f6cc3c - 06/07/2017 07:48 am - Keith Williamson

[vx8] Fix line longer than 79 chars and add missing pad value to seekto format string. Fix #4881

Revision 2906:fa2ef4dedc56 - 06/07/2017 11:08 am - Keith Williamson

[vx8] Added Settings support for stock VX-8R radio. Fixes #4881
This patch adds settings support by adding has_settings True in the
get_features function, by copying the original _get_aprs_tx_settings function
back down to the VX8DRadio class, and by creating a truncated version of that
function in the parent VX8Radio class that just gets the settings that
are defined for the VX-8R. Also, a _get_settings function for the VX8Radio
class was created that calls a subset of functions of the _get_settings
function in the VX8DRadio class. The get_features function in the VX8DRadio
class has been removed since the one in the VX8Radio class is now the same.

History

#1 - 06/06/2017 10:42 am - Keith Williamson

- % Done changed from 0 to 50

Created patch vx8-4881-1 which lays out initial groundwork by moving all functions that will be needed for settings support from the VXDRadio class up to the VX8Radio class. This patch doesn't change any current behavior.

#2 - 06/06/2017 12:55 pm - Keith Williamson

- % Done changed from 50 to 80

Created patch vx8-4881-2 which modifies the memobj aprs struct to accommodate the memory layout differences between the VX-8DR/VX-8GE and VX-8R. This patch provides the remainder of the groundwork necessary to add settings support for the stock VX-8R. This patch doesn't change any current behavior. The next (and hopefully final) patch will provide the actual setting support for the VX-8R.

#3 - 06/06/2017 06:13 pm - Keith Williamson

Resubmitted patch "vx8-4881-2.patch" as "vx8-4881-3.patch" because of PEP-8 error due to a line that was greater than 79 characters.

#4 - 06/07/2017 08:11 am - Keith Williamson

Submitted new patch "vx8-4881-4.patch" against tip since patch "vx8-4881-3.patch" was rejected. Patch "vx8-4881-3.patch" was to be a replacement for patch
"vx8-4881-2.patch" that corrected a PEP-8 line > 79 chars error. However, "vx8-4881-2.patch" was integrated with the error so instead we needed just a new patch against the tip to fix the PEP-8 error. This little patch also corrects a #seekto statement that I had added without the correct padding value (was 0x%0X..corrected to 0x%04X).

#5 - 06/07/2017 11:29 am - Keith Williamson

- % Done changed from 80 to 100

Submitted patch "vx8-4881-5.patch" which adds settings to the VX-8R. All tests
against the VX-8R, VX-8DR, and VX-8GE images files pass including the settings test for the VX-8R.

#6 - 06/07/2017 02:24 pm - Keith Williamson

- Status changed from New to Resolved

Resolved with final patch of series (vx-4881-5.patch).