

CHIRP - Bug # 6293

| | | | |
|---|---|------------------|--------|
| Status: | Closed | Priority: | Normal |
| Author: | Kalle Tuulos | Category: | |
| Created: | 12/10/2018 | Assignee: | |
| Updated: | 02/29/2020 | Due date: | |
| Chirp Version: | daily | | |
| Model affected: | Yaesu FT-8900 | | |
| Platform: | All | | |
| Subject: | Special channels button clears all memories / Yaesu FT-8900 | | |
| Description | | | |
| <p>Background: Yaesu FT-8900 memories are imported from radio or loaded from image file. Special Channels button is pressed.</p> <ol style="list-style-type: none">1. What is the behavior you are seeing? The memory list is cleared and there is no way to restore memories.2. What is the behavior you were expecting? I don't know what should be the behaviour, as in Baofeng UV-5R, the Special Channels button doesn't seem to have any effect. At least it should not clear memories.3. Can you reproduce the problem all the time? Yes.4. What are the steps required to reproduce the problem? Step1: Load image file (attached). Step2: Press "Special Channels" button.5. Is this specific to a certain radio model (driver) or something that you can reproduce with another radio? Seems to occur on Yaesu FT-8900, doesn't occur on Baofeng UV-5R. | | | |

Associated revisions

Revision 3011:d9207cbb323d - 12/11/2018 01:27 pm - Kalle Tuulos

[FT8900] Deleted inherited get_bank_model function, fixes #6293

The FT-8900 inherits its class from FT-8800, which defines also the get_bank_model function. The existence of this function is checked in order to decide, whether Banks tab is shown or not. As banks are not supported in FT-8900, the banks tab must not be shown.

Revision 3014:d8febd6e81ee - 12/13/2018 08:06 pm - Dan Smith

Fix Yaesu FT-8900 bank model disable

This reverts/fixes a previous patch that tried to delete the get_bank_model() method from a class to avoid loading the banks tab for the 8900, which does not support them. This fails the static analysis checker at least, and isn't really the right way to do it. Just returning None will cause the compat routine in chirp_common to do the right thing, so this patch changes it to just do

that.

Re-fix for #6293

History

#1 - 12/10/2018 11:33 pm - Kalle Tuulos

After fiddling more with this, the "Special Channels" button seems to work sometimes. When it doesn't work, it shows status "[0] Getting Bank information for memory 2" on the bottom of the display and following text is printed on the debug (running in Linux, the Mercurial snapshot version, chirpw executed from command line):

```
---8<---8<---
```

Exception in thread Thread-3:

Traceback (most recent call last):

```
File "/usr/lib/python2.7/threading.py", line 801, in bootstrap_inner
    self.run()
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/ui/common.py", line 261, in run
    job.execute(self.radio)
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/ui/bankedit.py", line 138, in execute
    mappings = self.__model.get_memory_mappings(mem)
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/drivers/ft7800.py", line 519, in get_memory_mappings
    self.__precache()
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/drivers/ft7800.py", line 461, in __precache
    self._b2m_cache[bank.index] = self._get_bank_memories(bank)
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/drivers/ft7800.py", line 504, in _get_bank_memories
    c = self._radio._memobj.bank_channels[bank.index]
```

```
File "/home/ktuulos/dev/chirp.hg/chirp/bitwise.py", line 688, in __getattr
    raise AttributeError("No attribute %s in struct" % name)
```

AttributeError: No attribute bank_channels in struct

```
---8<---8<---
```

#2 - 12/10/2018 11:39 pm - Kalle Tuulos

And one more update. The error requires, that the "Banks" page is visited before pressing Special Channels button. The traceback is given from Banks page selection.

So, the updated steps to reproduce the problem is:

Step1: Open Chirpw from command line or from Windows menu

Step2: Open image file (attached)

Step3: Select Banks page.

--> the traceback is given

Step4: Select Memories page.

--> memories are still visible.

Step5: Press "Special Channels" button.

--> memories disappear

#3 - 12/11/2018 01:05 am - Kalle Tuulos

I studied the ft7800.py file, where FT-8900 memory is defined. The problem is, that MEM_FORMAT8900 does not have "bank_channels" definition.

```
MEM_FORMAT_8900 = ""
```

```
#seekto 0x0708;
```

```
struct {  
    u8 used:1,  
        skip:2,  
        sub_used:1,  
        unknown2:1,  
        duplex:3;  
    bbcd freq3;  
    u8 mode:2,  
        nameused:1,  
        unknown4:1,  
        power:2,  
        tmode:2;  
    bbcd split3;  
    u8 unknown5:2,  
        tone:6;  
    u8 namevalid:1,  
        dtcs:7;  
    u8 name6;  
} memory799;
```

```
#seekto 0x51C8;
```

```
struct {  
    u8 skip0:2,  
        skip1:2,  
        skip2:2,  
        skip3:2;  
} flags400;
```

```
#seekto 0x7B48;
```

```
u8 checksum;  
""
```

#4 - 12/11/2018 01:01 pm - Kalle Tuulos

The correction for this problem is in the following diff output:

```
diff -r 62b4cbefa867 chirp/drivers/ft7800.py  
--- a/chirp/drivers/ft7800.py  Mon Dec 03 08:31:11 2018 -0800  
+++ b/chirp/drivers/ft7800.py  Tue Dec 11 22:54:42 2018 +0200  
@@ -977,6 +977,8 @@  
  
    MODES = ["FM", "NFM", "AM"]  
  
+ del FT8800Radio.get_bank_model  
+  
def process_mmap(self):  
    self._memobj = bitwise.parse(MEM_FORMAT_8900, self._mmap)
```

I'll send this patch to the mailing list.

#5 - 02/29/2020 06:31 pm - Bernhard Hailer

- *Subject changed from Special channels button clears all memories / Yaesu FT-8900 to Special channels button clears all memories / Yaesu FT-8900*
- *Status changed from New to Closed*
- *Target version set to chirp-daily*
- *% Done changed from 0 to 100*
- *Model affected changed from (All models) to Yaesu FT-8900*

It appears that this has been fixed.

Files

| | | | |
|----------------------------------|---------|------------|--------------|
| kalle_Yaesu_FT-8900_20181205.img | 14.6 kB | 12/10/2018 | Kalle Tuulos |
|----------------------------------|---------|------------|--------------|