

## CHIRP - Bug # 5693

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	James Bydalek	<b>Category:</b>	
<b>Created:</b>	04/04/2018	<b>Assignee:</b>	Jens Jensen
<b>Updated:</b>	02/07/2020	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Model affected:</b>	Yaesu vx-6		
<b>Platform:</b>	All		
<b>Subject:</b>	Yaesu vx-6 clone download issue		
<b>Description</b>	<p>When attempting to download from my Yaesu VX-6 to CHIRP... I follow all instruction, and the progress bar gets all the way to the end, and then get the An error has occurred box with the message "Failed to communicate with the radio: Timed out reading from radio"</p> <p>It does seem to get all the way to the end of the progress bar, but errors out with no data transferred. I tried it with older drivers with no luck. I also downloaded the latest version of CHIRP and it did not make a difference.</p>		

### Associated revisions

Revision 2974:71ec31b629b0 - 05/12/2018 01:23 am - Jens Jensen

[vx-6] adjust memory size to fix #5693

### History

#1 - 04/04/2018 12:06 pm - James Bydalek

Please note that I did now go back to a January daily version and it worked (saw that suggestion in a issue reported just like mine)

#2 - 04/12/2018 09:59 pm - Jonathan Morrison

I have this same issue on linux.

#3 - 04/19/2018 09:45 am - Casey Dunn

I am having this issue as well.

the log shows CHIRP proceeding through all the memory slots

```
[2018-04-19 09:19:47,786] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
```

```
[2018-04-19 09:19:48,041] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
```

```
[2018-04-19 09:19:48,297] chirp.ui.reporting - DEBUG: Reporting exception
```

```
[2018-04-19 09:19:48,297] chirp.ui.common - ERROR: -- Exception: --
```

```
[2018-04-19 09:19:48,298] chirp.ui.common - ERROR: Traceback (most recent call last):
```

```
File "/Applications/chirp-daily-20180412.app/Contents/Resources/chirp/chirp/ui/clone.py", line 249, in run
self.__radio.sync_in()
```

```
File "/Applications/chirp-daily-20180412.app/Contents/Resources/chirp/chirp/drivers/yaesu_clone.py", line 245, in sync_in
self._mmap = _clone_in(self)
```

```
File "/Applications/chirp-daily-20180412.app/Contents/Resources/chirp/chirp/drivers/yaesu_clone.py", line 110, in _clone_in
```

```
raise errors.RadioError("Failed to communicate with the radio: %s" % e)
RadioError: Failed to communicate with the radio: Timed out reading from radio
```

and then throwing an exception.  
it looks like it isn't handling the last bit well.

#### #4 - 05/04/2018 04:17 pm - Chris Rushton

Just tried a whole bunch of different versions since I got bit by this too, looks like it is working on daily-20180324 and stops working on daily-20180325, as daily-20180331, and daily-20180412 do not work.

#### #5 - 05/04/2018 05:03 pm - Jens Jensen

also running into this issue on linux

some suspects:

```
changeset: 2967:1cfd281afcd
user:      Dan Smith <dsmith@danplanet.com>
date:     Sat Mar 24 10:23:30 2018 -0700
summary:   Fix long lines in yaesu_clone.py
```

```
changeset: 2966:9e3b0ff76308
user:     Nicolas Pike <nicolas.jon.pike@gmail.com>
date:    Fri Mar 23 17:52:01 2018 +0000
summary:  [FT-70] #5329 and issue #5647 Revise handling of empty chunks in yaesu_clone.py
```

#### #6 - 05/04/2018 05:08 pm - Jens Jensen

ok yeah,  
works with:

```
changeset: 2965:96bc56916c95
user:     Jim Unroe <rock.unroe@gmail.com>
date:    Tue Mar 20 21:38:07 2018 -0400
summary:  [LT725UV] Add support for Baojie BJ-218 and clones.
```

breaks with:

```
changeset: 2966:9e3b0ff76308
user:     Nicolas Pike <nicolas.jon.pike@gmail.com>
date:    Fri Mar 23 17:52:01 2018 +0000
summary:  [FT-70] #5329 and issue #5647 Revise handling of empty chunks in yaesu_clone.py
```

```
jens@spire:~/build/chirp.hg$ hg diff -r 96bc56916c95 -r 9e3b0ff76308
diff -r 96bc56916c95 -r 9e3b0ff76308 chirp/drivers/ft70.py
--- a/chirp/drivers/ft70.py  Tue Mar 20 21:38:07 2018 -0400
+++ b/chirp/drivers/ft70.py  Fri Mar 23 17:52:01 2018 +0000
@@ -466,14 +466,14 @@
 @directory.register
```

```

class FT70Radio(yaesu_clone.YaesuCloneModeRadio):
    """Yaesu FT-70DE"""
    - BAUD_RATE = 115200
    + BAUD_RATE = 38400
    VENDOR = "Yaesu"
    MODEL = "FT-70D"

    _model = "AH51G"

    - _memsize = 65227 # 65227 read from dump ?
    - _block_lengths = [10, 65555] # ?????? Not sure why this works to match _memsize
    + _memsize = 65227 # 65227 read from dump
    + _block_lengths = [10, 65217]
    _block_size = 32
    _mem_params = (900, # size of memories array
                  900, # size of flags array)

diff -r 96bc56916c95 -r 9e3b0ff76308 chirp/drivers/yaesu_clone.py
--- a/chirp/drivers/yaesu_clone.py Tue Mar 20 21:38:07 2018 -0400
+++ b/chirp/drivers/yaesu_clone.py Fri Mar 23 17:52:01 2018 +0000
@@ -43,14 +43,22 @@

def _chunk_read(pipe, count, status_fn):
    + timer = time.time()
    block = 32
    data = ""
    - for _i in range(0, count, block):
    -     data += pipe.read(block)
    -     if data:
    + while len(data) < count:
    +     # Don't read past the end of our block if we're not on a 32-byte boundary
    +     chunk_size = min(block, count - len(data))
    +     chunk = pipe.read(chunk_size)
    +     if chunk:
    +         timer = time.time()
    +         data += chunk
    +         if data[0] == chr(CMD_ACK):
    +             data = data[1:] # Chew an echo'd ack if using a 2-pin cable
    -             # LOG.debug("Chewed an ack")
    +     # LOG.debug("Chewed an ack")
    +     if time.time() - timer > 2:
    +         # It's been two seconds since we last saw data from the radio, so it's time to give up.
    +         raise errors.RadioError("Timed out reading from radio")
    status = chirp_common.Status()
    status.msg = "Cloning from radio"
    status.max = count

```

**#7 - 05/04/2018 05:16 pm - Dan Smith**

Okay, the old code was definitely broken as it relied on timing (and getting lucky). It's possible that some of the drivers that depended on that code

were stating different memory or block sizes than they should to work properly and need tweaking. I tested an older yaesu (FT-7800) before we committed it and it was okay.

Can you do some digging to try to see if we can roll forward? I would rather do that than roll back, if possible.

**#8 - 05/04/2018 05:52 pm - Jens Jensen**

- Status changed from New to In Progress

ok preliminary finding is that we maybe have an off-by-one issue.

```
[2018-05-04 19:49:40,069] chirp.drivers.yaesu_clone - DEBUG: Read 32479/32578
[2018-05-04 19:49:40,088] chirp.drivers.yaesu_clone - DEBUG: Read 32511/32578
[2018-05-04 19:49:40,159] chirp.drivers.yaesu_clone - DEBUG: Read 32543/32578
[2018-05-04 19:49:40,178] chirp.drivers.yaesu_clone - DEBUG: Read 32575/32578
[2018-05-04 19:49:40,428] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:40,679] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:40,930] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:41,182] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:41,435] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:41,688] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:41,939] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:42,190] chirp.drivers.yaesu_clone - DEBUG: Read 32577/32578
[2018-05-04 19:49:42,445] chirp.ui.reporting - DEBUG: Reporting exception
[2018-05-04 19:49:42,445] chirp.ui.common - ERROR: -- Exception: --
[2018-05-04 19:49:42,449] chirp.ui.common - ERROR: Traceback (most recent call last):
  File "/home/jens/build/chirp.hg/chirp/ui/clone.py", line 249, in run
    self.__radio.sync_in()
  File "/home/jens/build/chirp.hg/chirp/drivers/yaesu_clone.py", line 243, in sync_in
    self._mmap = _clone_in(self)
  File "/home/jens/build/chirp.hg/chirp/drivers/yaesu_clone.py", line 108, in _clone_in
    raise errors.RadioError("Failed to communicate with the radio: %s" % e)
RadioError: Failed to communicate with the radio: Timed out reading from radio

[2018-05-04 19:49:42,451] chirp.ui.common - ERROR: -----
[2018-05-04 19:49:42,451] chirp.ui.clone - ERROR: Clone failed: Failed to communicate with the radio: Timed out reading from radio
```

I'm not sure if we have the radio image size parameters wrong, or something else.

I'm heading out of town for a few days. I'll try to look at it next weekend, if someone else doesn't beat me to it.

**#9 - 05/17/2018 01:38 pm - Jens Jensen**

- Status changed from In Progress to Feedback

- % Done changed from 0 to 90

Should be fixed in daily-20180512 can someone else confirm, and we'll close this out.

**#10 - 05/18/2018 12:44 pm - James Bydalek**

I downloaded Daily-20180512 and verified it does now work on my Yaesu VX-6, Thanks!

**#11 - 05/19/2018 06:23 pm - Jonathan Morrison**

Jonathan Morrison wrote:

| *I have this same issue on linux.*

Works now with today's daily build.

**#12 - 05/19/2018 09:48 pm - Jens Jensen**

- *Status changed from Feedback to Resolved*
- *% Done changed from 90 to 100*

**#13 - 02/07/2020 11:12 am - Bernhard Hailer**

- *Status changed from Resolved to Closed*
- *Assignee set to Jens Jensen*
- *Priority changed from Immediate to Normal*
- *Target version set to chirp-daily*
- *Platform changed from Windows to All*