

CHIRP - New Model # 9241

Status:	Feedback	Priority:	Normal
Author:	Alex Martin	Category:	
Created:	07/23/2021	Assignee:	
Updated:	11/16/2021	Due date:	
Chirp Version:	daily		
Equipment Loan Offered:	Yes		
Subject:	Radioddity DB20-G		
Description	https://www.radioddity.com/products/radioddity-db20g		

History

#1 - 07/24/2021 04:57 am - Joseph David

This radio appears to be the same as the Anytone AT-779UV, which has already been listed here: <https://chirp.danplanet.com/issues/8953>

#2 - 07/25/2021 02:39 pm - Bernhard Hailer

- Status changed from New to Feedback
- Priority changed from High to Normal

Alex, please try to use Chirp on your radio, selecting "Anytone" as the vendor and "AT-779UV" as model. Let us know whether it works. Thanks!

#3 - 07/25/2021 05:57 pm - Jim Unroe

I do agree that the Radioddity closely resembles the AnyTone AT-779UV. CHIRP, however, does not support the AT-779UV. CHIRP does support the AnyTone AT-778UV but I don't expect that the AT-778UV model selection will support the AT-779UV model selection.

To support this model (or its AnyTone variant) will most likely require getting the Radioddity DB20-G and/or Anytone AT-779UV radio, compatible programming cable and programming software into the hands of a volunteer developer that is interested in doing the reverse engineering.

Jim KC9HI

#4 - 07/25/2021 06:20 pm - Alex Martin

I'll give it a try tonight and report back.

#5 - 07/25/2021 08:02 pm - Jim Unroe

Alex Martin wrote:

| I'll give it a try tonight and report back.

After any error message, close CHIRP and then attach the debug.log file that was generated.

#6 - 07/26/2021 04:58 pm - Alex Martin

So, on another note, I am curious if macOS CHIRP works with all 'supported' radios because I was unable to confirm if the supplied programming cable worked in macOS (as in did it have a drive?), so for now let's not worry about those logs. I was able to confirm the software provided by Radiodiity worked in Windows, so Tried both AT-778UV and AT-778UV VOX and here is the debug log (From Windows):

```
[2021-07-26 16:43:35,407] chirp.ui.reporting - DEBUG: Checking for updates
[2021-07-26 16:43:35,562] chirp.ui.reporting - DEBUG: Server reports version daily-20210724 is latest
[2021-07-26 16:43:55,842] chirp.ui.mainapp - DEBUG: User selected AnyTone 778UV on port COM4
[2021-07-26 16:43:55,950] chirp.ui.clone - DEBUG: Clone thread started
[2021-07-26 16:43:56,450] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:43:56,450] chirp.ui.common - ERROR: -- Exception: --
[2021-07-26 16:43:56,450] chirp.ui.common - ERROR: Traceback (most recent call last):
  File "chirp\ui\clone.pyo", line 255, in run
  File "chirp\drivers\anytone778uv.pyo", line 695, in sync_in
  File "chirp\drivers\anytone778uv.pyo", line 495, in do_download
RadioError: No initial response from radio.

[2021-07-26 16:43:56,450] chirp.ui.common - ERROR: -----
[2021-07-26 16:43:56,450] chirp.ui.clone - ERROR: Clone failed: No initial response from radio.
[2021-07-26 16:43:56,513] chirp.ui.clone - DEBUG: Clone thread ended
[2021-07-26 16:43:56,513] chirp.ui.reporting - DEBUG: Reporting model usage: AnyTone_778UV,download,True
[2021-07-26 16:43:56,528] chirp.ui.inputdialog - ERROR: --- Exception Dialog: No initial response from radio. ---
[2021-07-26 16:43:56,528] chirp.ui.inputdialog - ERROR: Traceback (most recent call last):
  File "chirpw", line 68, in <module>
AttributeError: 'NoneType' object has no attribute 'split'

[2021-07-26 16:43:56,528] chirp.ui.inputdialog - ERROR: -----
[2021-07-26 16:43:56,528] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:44:15,122] chirp.ui.mainapp - DEBUG: User selected AnyTone 778UV VOX on port COM4
[2021-07-26 16:44:15,232] chirp.ui.clone - DEBUG: Clone thread started
[2021-07-26 16:44:15,733] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:44:15,733] chirp.ui.common - ERROR: -- Exception: --
[2021-07-26 16:44:15,733] chirp.ui.common - ERROR: Traceback (most recent call last):
  File "chirp\ui\clone.pyo", line 255, in run
  File "chirp\drivers\anytone778uv.pyo", line 695, in sync_in
  File "chirp\drivers\anytone778uv.pyo", line 495, in do_download
RadioError: No initial response from radio.

[2021-07-26 16:44:15,733] chirp.ui.common - ERROR: -----
[2021-07-26 16:44:15,733] chirp.ui.clone - ERROR: Clone failed: No initial response from radio.
[2021-07-26 16:44:15,809] chirp.ui.clone - DEBUG: Clone thread ended
[2021-07-26 16:44:15,809] chirp.ui.reporting - DEBUG: Reporting model usage: AnyTone_778UV VOX,download,True
[2021-07-26 16:44:15,809] chirp.ui.inputdialog - ERROR: --- Exception Dialog: No initial response from radio. ---
[2021-07-26 16:44:15,809] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:44:15,809] chirp.ui.inputdialog - ERROR: Traceback (most recent call last):
  File "chirpw", line 68, in <module>
AttributeError: 'NoneType' object has no attribute 'split'

[2021-07-26 16:44:15,809] chirp.ui.inputdialog - ERROR: -----
```

#7 - 07/26/2021 05:04 pm - Alex Martin

For reference as mentioned above, not sure if the programming cable is working correctly on macOS (I do see a /dev/cu.usbserial-1440 as an option in Radio -> Download from Radio that is not there with the cable unplugged (and that is the one I am selecting), but here is that debug log:

```
[2021-07-26 16:55:08,267] chirp.ui.reporting - DEBUG: Server reports version daily-20210724 is latest
[2021-07-26 16:55:23,121] chirp.ui.mainapp - DEBUG: User selected AnyTone 778UV on port /dev/cu.usbserial-1440
[2021-07-26 16:55:23,131] chirp.ui.clone - DEBUG: Clone thread started
[2021-07-26 16:55:23,632] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:55:23,632] chirp.ui.common - ERROR: -- Exception: --
[2021-07-26 16:55:23,633] chirp.ui.common - ERROR: Traceback (most recent call last):
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/ui/clone.py", line 255, in run
    self.__radio.sync_in()
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/drivers/anytone778uv.py", line 695, in sync_in
    self._mmap = do_download(self)
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/drivers/anytone778uv.py", line 495, in do_download
    raise e
RadioError: No initial response from radio.
```

```
[2021-07-26 16:55:23,633] chirp.ui.common - ERROR: -----
[2021-07-26 16:55:23,633] chirp.ui.clone - ERROR: Clone failed: No initial response from radio.
[2021-07-26 16:55:23,635] chirp.ui.clone - DEBUG: Clone thread ended
[2021-07-26 16:55:23,648] chirp.ui.reporting - DEBUG: Reporting model usage: AnyTone_778UV,download,True
[2021-07-26 16:55:23,649] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:55:23,649] chirp.ui.inputdialog - ERROR: --- Exception Dialog: No initial response from radio. ---
[2021-07-26 16:55:23,649] chirp.ui.inputdialog - ERROR: Traceback (most recent call last):
  File "/Applications/CHIRP.app/Contents/MacOS/./Resources/chirp/chirpw", line 76, in <module>
    os.putenv("LANG", langs9)
IndexError: list index out of range
```

```
[2021-07-26 16:55:23,649] chirp.ui.inputdialog - ERROR: -----
[2021-07-26 16:59:50,387] chirp.ui.mainapp - DEBUG: User selected AnyTone 778UV VOX on port /dev/cu.usbserial-1440
[2021-07-26 16:59:50,394] chirp.ui.clone - DEBUG: Clone thread started
[2021-07-26 16:59:50,895] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:59:50,895] chirp.ui.common - ERROR: -- Exception: --
[2021-07-26 16:59:50,895] chirp.ui.common - ERROR: Traceback (most recent call last):
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/ui/clone.py", line 255, in run
    self.__radio.sync_in()
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/drivers/anytone778uv.py", line 695, in sync_in
    self._mmap = do_download(self)
  File "/Applications/CHIRP.app/Contents/Resources/chirp/chirp/drivers/anytone778uv.py", line 495, in do_download
    raise e
RadioError: No initial response from radio.
```

```
[2021-07-26 16:59:50,895] chirp.ui.common - ERROR: -----
[2021-07-26 16:59:50,895] chirp.ui.clone - ERROR: Clone failed: No initial response from radio.
[2021-07-26 16:59:50,897] chirp.ui.clone - DEBUG: Clone thread ended
[2021-07-26 16:59:50,910] chirp.ui.reporting - DEBUG: Reporting model usage: AnyTone_778UV VOX,download,True
[2021-07-26 16:59:50,911] chirp.ui.inputdialog - ERROR: --- Exception Dialog: No initial response from radio. ---
[2021-07-26 16:59:50,911] chirp.ui.reporting - DEBUG: Reporting exception
[2021-07-26 16:59:50,911] chirp.ui.inputdialog - ERROR: Traceback (most recent call last):
  File "/Applications/CHIRP.app/Contents/MacOS/./Resources/chirp/chirpw", line 76, in <module>
```

os.putenv("LANG", langs⁹)

IndexError: list index out of range

[2021-07-26 16:59:50,911] chirp.ui.inputdialog - ERROR: -----

#8 - 07/26/2021 06:29 pm - Bernhard Hailer

Jim Unroe wrote:

| ... CHIRP, however, does not support the AT-779UV.

My apologies for the confusion - my bad.

#9 - 07/26/2021 06:49 pm - Jim Unroe

Alex Martin wrote:

| So, on another note, I am curious if macOS CHIRP works with all 'supported' radios...

Then open another ticket. This one is about support for the DB20-G.

Jim KC9HI

#10 - 07/28/2021 11:40 am - Alex Martin

Jim Unroe wrote:

| Alex Martin wrote:

| | So, on another note, I am curious if macOS CHIRP works with all 'supported' radios...

| Then open another ticket. This one is about support for the DB20-G.

| Jim KC9HI

FYI, I was able to get macOS to see the USB to Serial port cord correctly. Sorry to mention that here before, just did it so I could add both logs.

#11 - 07/28/2021 12:13 pm - Jim Unroe

Alex Martin wrote:

Jim Unroe wrote:

Alex Martin wrote:

| So, on another note, I am curious if macOS CHIRP works with all 'supported' radios...

Then open another ticket. This one is about support for the DB20-G.

Jim KC9HI

FYI, I was able to get macOS to see the USB to Serial port cord correctly. Sorry to mention that here before, just did it so I could add both logs.

Two things regarding macOS and your programming cable.

1. `/dev/cu.usbserial-1440` would indicate to me that your programming cable identifies as having a Prolific type USB-to-Serial chip. Nearly all programming cables with a Prolific chip were made with an unauthorized copy of the chip. The driver auto installed by Windows and available for macOS are intentionally incompatible with these chips.

One workaround is to get a programming cable made with a different chip.

The workaround for Windows is to download, install and select the older Prolific v3.2.0.0 driver that was available before they were crippled. See this miklor.com [USB Cables & Drivers](#) page for a link to the driver and instructions for selecting it.

The workaround for macOS is to purchase a 3rd party driver that doesn't care if the chip is genuine or not. I purchased mine from [mac-usb-serial.com](#)

2. The CHIRP MacOS Unified Application build for macOS does not include the Python future module. Radios like the AnyTone AT-778UV and Radioddity GA-510 that require the future module will not show up in CHIRP when the future module is not present.

Jim KC9HI

#12 - 11/16/2021 10:09 am - Keith Benicek

Since it appears that someone, perhaps it is Radioddity that is offering to LOAN a DB-20G (Equipment Loan Offered: Yes), can the CHIRP engineers PLEASE get the Windows version working for this radio?? I own one and have been waiting since July 2021, I can't be alone out here. This very economical mobile radio HAS been around for quite a while and has very popular sales, which means there are a LOT of them out in use. Please HELP! (the Radioddity programming software is horrible.)

#13 - 11/16/2021 11:07 am - Jim Unroe

Keith Benicek wrote:

Since it appears that someone, perhaps it is Radioddity that is offering to LOAN a DB-20G (Equipment Loan Offered: Yes), can the CHIRP engineers PLEASE get the Windows version working for this radio?? I own one and have been waiting since July 2021, I can't be alone out here. This very economical mobile radio HAS been around for quite a while and has very popular sales, which means there are a LOT of them out in use. Please HELP! (the Radioddity programming software is horrible.)

I would consider looking at it, but I don't do loans. It takes many hours working closely and constantly with the factory software, which, as you have pointed out, is no picnic.

The Retevis RA25 looks similar to the Radioddity DB-20G, so it is likely that either of those could be useful in the project started.

Jim KC9HI