

Jacuzzi® JVX 160 & JVX 300 Variable Speed Pump (5/15/20 V1.1)

Bluetooth Firmware Update Guide

A new firmware version, V405, has been released for the motor drive of the Jacuzzi JVX160 and JVX300 Pumps. This update can be installed onto the drive using the “Jacuzzi Pump” app. The new firmware offers improvements in performance when operating at high ambient temperatures.

Getting Started: Download the App

- Go to the app store and search for “Jacuzzi Pumps.”
- Select and download the app.
- Be sure to have your Bluetooth on after download is complete.
- The application requires a working internet connection to complete the firmware update.

1. Register the Pump to the App

- 1.1 Ensure there is power to the pump and the display is on.
- 1.2 A connection code is necessary to connect the App to the Pump. If the pump is already connected to the app, skip ahead to “2. Entering Bootloader/DFU Mode”.
- 1.3 On the pump drive tap the MENU button until “CODE” is displayed on the screen. Press the “Enter” button to select the “CODE” option, the pump will then provide a four digit code.
- 1.4 From the app home screen (Fig. 2) press “+”.
- 1.5 Enter the code provided by the pump on the second page of pump connection setup (Fig. 1).
- 1.6 After hitting save, the app will try to connect to the pump. Be sure that your device is close to the pump to connect.
- 1.7 The app offers the option to name the pump (Fig. 1). After naming hit save, registering is complete.
- 1.8 Return to the home page, where the registered pump will be displayed (Fig. 2).
- 1.9 Select the pump name to connect to the pump to begin controlling the pump.

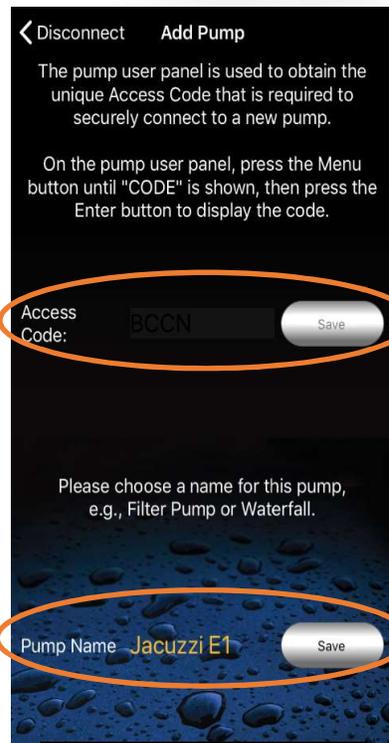


Fig. 1: Second page of pump connection

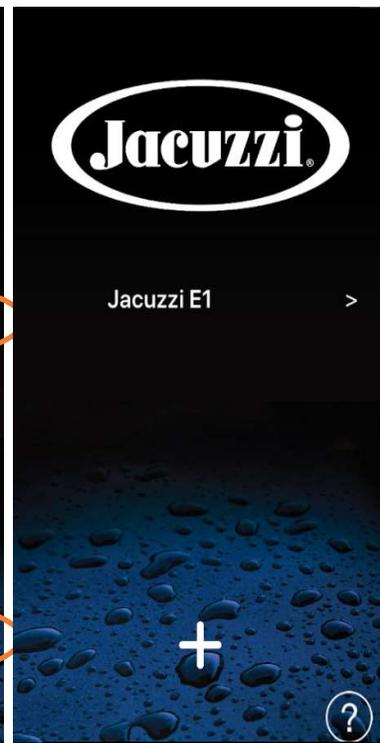


Fig. 2: Home page after connecting pump

2. Entering Bootloader/DFU Mode

- 2.1 Access through the menu on the pump drive user interface
- 2.2 Press the MENU button to cycle through the options until 'CONF' is displayed on the screen (Fig. 3).
- 2.3 Simultaneously hold the UP and DOWN buttons until the screen shows 'BOOT' (about 5 seconds). Once initiated the display will alternate between BOOT, OK, and a revision number. Boot mode will stay initiated for approximately 3 minutes (Fig. 4).



Fig. 3: Conf Display

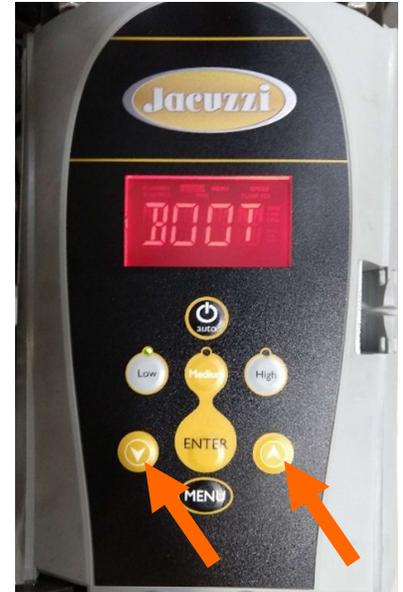


Fig. 4: Boot Display

3. Updating Firmware with the App

- 3.1 From the home screen of the App, select the (?) to access the help menu (Fig. 6).
- 3.2 The help screen (Fig. 7) will have the following options:
 - I understand. I want to go back
 - I want to start to update firmware
 - I want to resume updating firmware
- 3.3 Enter "2020" when prompted for a pin.
- 3.4 Ensure "BT Pump Control" appears next to "Choose app function"
- If not, a drop-down selection will appear when this field is selected.
- 3.5 Select "I want to start updating firmware" to begin the update.



Fig. 6: Access help menu



Fig. 7 Help menu options

3.6 In the following two screens you will be asked to confirm:

- that you are prepared to complete the update (Fig. 8).
- what to do in case of update failure or interruption (Fig. 9).

3.7 The App will then download the latest version of the firmware through the internet.

3.8 When the download is complete, a prompt to set the device to DFU mode will appear (boot loader mode). Before selecting ok confirm the pump display is still in "boot" mode from step 2 (Fig. 10).

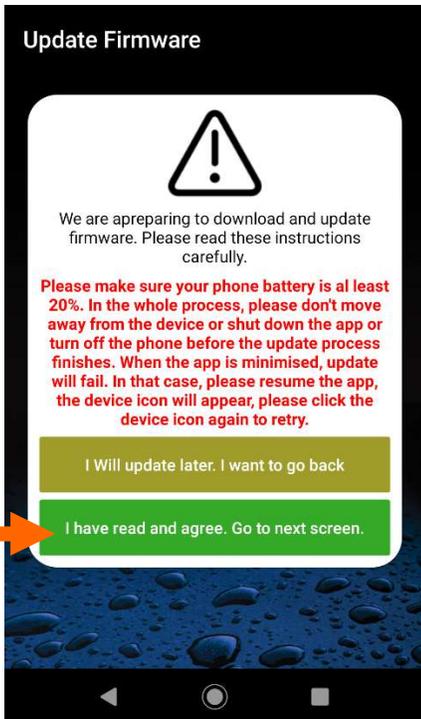


Fig 8: Prepared to complete the update

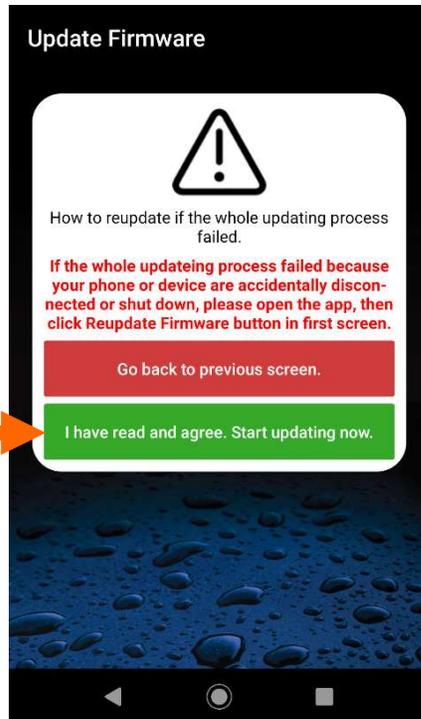


Fig 9: incase of failure screen

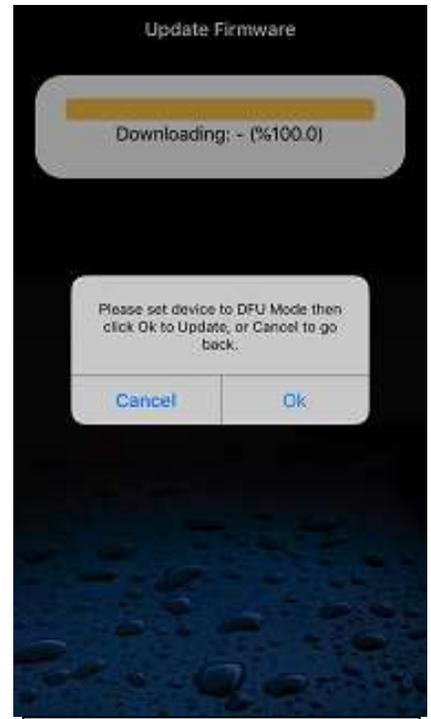


Fig. 10: Ensure pump is in Bootloader/DFU mode

3.9 Select the DFU (*Device Firmware Update*) icon to initiate the update (**Fig. 11**). The firmware will begin installing onto the pump.

- The progress percentage of the update will be shown on the screen of the app (**Fig. 12**), and on the Pump UI (**Fig. 13**).



Fig. 11: DFU update icon

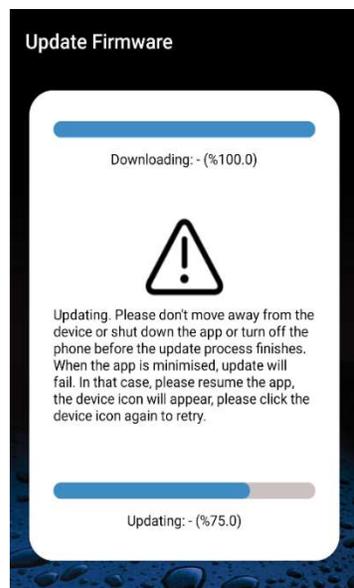


Fig. 12: Progress on app



Fig. 13: Progress on pump UI

3.10 Once the update is complete, the Pump UI will briefly display the version of the new Firmware (**Fig. 14**).



Figure 14: Revision displayed when update is complete

4. Failed or interrupted update instructions

4.1 If the update fails (**Fig.15**) for any reason (for example if the connection is lost), you may restart it by selecting “I want to resume updating firmware” on the Help Screen (Sec. 3.1)(**Fig. 16**).

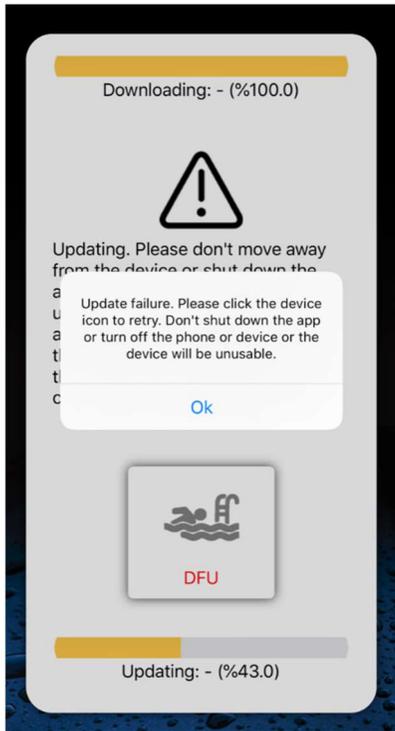


Figure 15: Update Failure



Figure 16: Resume updating firmware

5. Confirm Updated Revision

5.1 To check the version of the firmware, select a registered Pump from the home screen. Select the “Settings” tab to view the pump information.

5.2 The firmware version is displayed in small text in the lower right corner of the screen. FW v4.5 is the latest firmware (V405 on pump display)

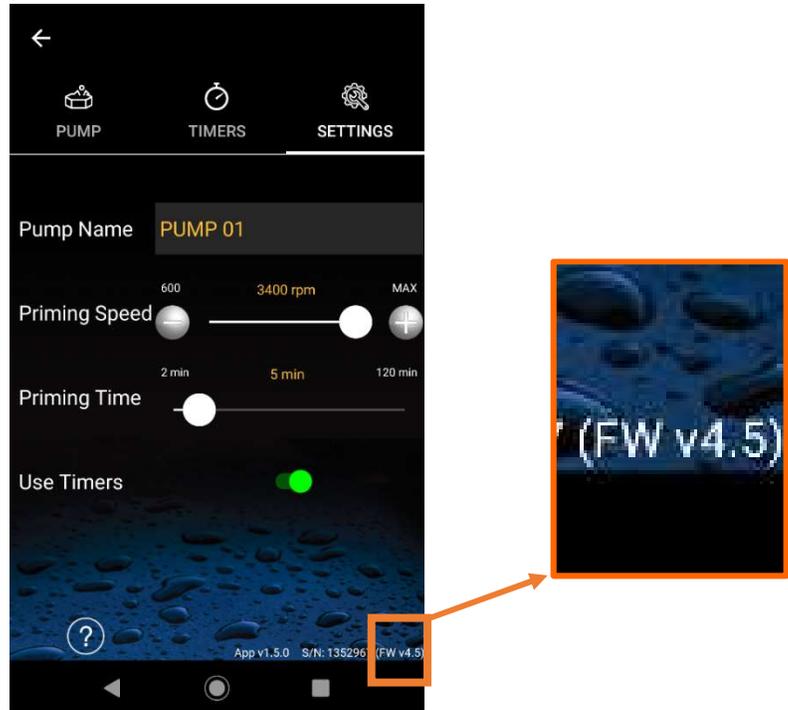


Figure 17: Firmware display in app