



Dolphin Device Updates

As system updates become available, any of the devices (base, starter, or timer) in the Dolphin system can be reprogrammed via the Dolphin application. The scoreboard adapter, which is an optional add-on to the Dolphin system, can also be reprogrammed via the Dolphin application. The files required to update your Dolphin system can be found at the Colorado Time Systems website and at Dolphin.coloradotime.com.

IMPORTANT NOTES:

1. ***Each type of device*** (base, starter and watch, as well as the scoreboard adapter) ***must be programmed separately from the other device types***. All watches can be programmed at one time.
2. ***On watches and the starter, check the battery's charge level before starting. If the battery is nearly dead, replace it before updating.***
3. ***Follow the steps exactly as written. Having extra devices running, skipping steps or performing them in a different order is likely to cause the update(s) to fail.***

Base Programming Procedure (Do this first!)

1. Download the update files from the website Dolphin.coloradotime.com. Note the version number(s).
2. Make sure all Dolphin watches and the starter are turned off.
3. Plug your Dolphin base unit into your computer using the USB cable.
4. Open Hy-Tek Meet Manager (version 2.0 or higher), and open Dolphin from the Interface menu on the Run screen.
5. Click on "CTS Dolphin version" in very small type at the bottom of the page.
 - a. Click Update Base Code.
 - b. Browse to the firmware file and select it. If you saved it directly to the laptop, it will be in C:\CTSDolphin\firmware. If you saved it to a removable drive, browse there. The file will have a name of the format BASExxx.DBC, where xxx is the version number.
 - c. Click upload.
6. During the update process, a progress bar is displayed in the Upload Code window. When the base device has successfully completed receiving the update, the yellow/green pair of LEDs will be on.

- a. If there is an error updating the base, only the yellow LED will blink. In case of an error, download the update from the website again, and try uploading it again. Make sure that the base is connected to a working USB port during the entire upload. If it doesn't work again, email CTS customer service at customerservice@coloradotime.com or call 970-667-1000 x256.
7. Exit Dolphin.
8. Disconnect and reconnect the base.
9. Finally, restart Dolphin. The base unit is now updated.
10. Verify the base's version number:
 - a. Click on "CTS Dolphin version" in very small type at the bottom of the page.
 - b. Click Update Base Code, and verify that the version number in the update code window matches the version you downloaded from the CTS website.

Watches & Starter Programming Procedure

1. Update the Base before you update either the watches or the starter (see above).
2. Perform the following steps, unless you have already done them:
 - a. Download the update files from the website Dolphin.coloradotime.com, and note the version number(s).
 - b. Plug your Dolphin base unit into your computer using the USB cable.
 - c. Open Hy-Tek Meet Manager (version 2.0 or higher), and open Dolphin from the Interface menu on the Run screen.
3. The Watches must be programmed separately from the Starter. Make sure that the watches are off when you are programming the Starter, and that the Starter is off when you are programming the Watches.
4. When programming watches, make sure that all watches are set to separate Lane/Timer combinations (i.e., two watches are not both set as Lane 3, Timer A).
5. Make sure that the device(s) being updated are set to the same channel as the base.
6. Enter the menu on the device(s) being programmed: Press and hold Reset and immediately press the Start/Stop button (on the top of the starter, or either side button on a watch). Hold them both until unit enters the menu. Release the Reset button and then the Start/Stop button.
7. On the computer, click on "CTS Dolphin version" in very small type at the bottom of the page.
 - a. Click Update Code for the device you are updating.
 - b. Browse to the firmware file and select it. If you saved it directly to the laptop, it will be in C:\CTSDolphin firmware. If you saved it to a removable drive, browse there.
 - c. The update file will be named to include the device name ("STARTxxx.DSC" for the starter, or "TIMERxxx.DTC" for the watches).
 - d. Click upload.
8. During the update process, a progress bar is displayed in the Upload Code window on the computer, and the LCD of the Starter or Watches will also display their progress and status. When a watch or starter is successfully updated, the unit will turn off in a few seconds after reaching 100%. The yellow LED on the base will blink. If the LCD on the

device doesn't display a progress screen, the update didn't work; start the process again, making sure to follow all of the instructions in the order described.

9. Exit Dolphin.
10. Disconnect and reconnect the base.
11. Finally, restart Dolphin.
12. Re-enter the menu on the device you programmed and verify the version number, which is shown below the channel number.
13. The update is complete for the type of device (watches or starter) you programmed.
14. Repeat the Watches and Starter Programming Procedure if you need to update the other type of device.

Scoreboard Adapter Programming Procedure

1. Download the update files from dolphin.coloradotime.com. Note the version number(s).
2. Update the Base Unit (see instructions on the other side of this page).
3. Update the Scoreboard Adapter:
 - a. Make sure all Dolphin watches and the starter are turned off.
 - b. Plug your Dolphin *Base* unit into your computer using the USB cable provided.
 - c. Connect the scoreboard adapter to the scoreboard. Turn on/plug in the scoreboard.
 - i. If the adapter's LEDs light up you will not need to use the power supply.
 - ii. If the LEDs do not light, plug the plug the power supply into the adapter, and to a wall outlet.
 - d. If not already open, open Hy-Tek Meet Manager (version 2.0 or higher)
 - e. Open Dolphin from the Interface menu on the Run screen.
 - f. Enable the Scoreboard:
 - i. Click the Scoreboard settings button
 - ii. Click the Scoreboard Enabled box
 - iii. Close the Scoreboard Interfaces dialog box.
 - g. Click on "CTS Dolphin version" in very small type at the bottom of the page.
 - i. Click Update Base Code and browse to the firmware file in C:\CTSDolphin\firmware. Select the scoreboard code (SBxxx.DDC), and click Upload.
 - ii. Allow the upload to complete. The screen will display status.
 - h. Exit Dolphin.
 - i. Disconnect the scoreboard adapter from the scoreboard, and from power if it is plugged in.
 - j. Disconnect and reconnect the base.
 - k. Reconnect the scoreboard adapter to the scoreboard, and to power if necessary.
 - l. Finally, restart Dolphin. The new revision of the scoreboard adapter will display on the scoreboard, along with the channel.