

CableScout TV90E/CS90 Software Update Instruction

V1.1.8.5, – August 2023

Introduction

CableScout CS90 or TV90E can be updated with new software and other operational files and configurations by making use of the SD Card. First visit the Support and Software Downloads section of the <https://www.tempocom.com> website to download the latest version.

The update process is the same for either the CS90 or TV90E

Update Instructions

To update the software:

1. Power off the unit.
2. Remove the SD card from the unit.
3. Place the SD card into your PC and delete any old “.BIN” files that may be there from previous updates.
4. Unzip and copy the files downloaded to the SD card.
5. Return the SD card to the unit.
6. Use the 12V power adaptor to “charge” the unit (this ensures that there is reduced risk of power down during programming and must be present if an update to the FPGA or battery management chip is to be completed) This update includes an important update to the battery management system.
7. Power on the unit when the indicated charge is greater than 50%
8. Press the Menu button (three horizontal bars)
9. Press the smart-button “About device”
10. Move down to highlight “Firmware”
11. Press “➔” to enter the software update screen
 - a. The table should show the current version and the available update version(s) in the BIN file on the SD card.
 - b. The “Update” smart-button should be available (bottom left).
 - c. Press the “Update” button; the three internal firmware items (main software, FPGA configuration and battery manager) will be updated.
 - d. Once complete, follow the instructions on the screen to reset and restart the unit.
12. This unit includes an update to the battery management system. These extra steps will also need to be taken to update the real battery capacity so that the battery gauge is accurate:
 - a. Allow the unit to fully discharge by setting the unit not to timeout
 - b. Allow it run until it shuts itself down
 - c. Recharge fully (e.g. overnight) before using
 - d. Reset the battery saver screen timeouts

Changes In this Release

August 2023, “Version 1.1.8.5”

1. Background improvements to the TDR acquisition system reducing noise.
2. Updates to the battery management system.