

# Temp-Taker® 6

## Software/Firmware Release Notes 2023-05-12

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This document contains release notes for the Temp-Taker® 6 software application and handheld device firmware. The notes are presented in reverse chronological order.

### Release 6.0.77 on May 12, 2023

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

#### Changes & Enhancements

- Several software and device firmware stability and performance enhancements – including improved responsiveness when re-attempting to send auto-reports after previous send failures.
- Auto-Import now recognizes older file formats (.dat, .dt5) so organizations employing a mix of new and previous generation Temp-Taker units can use a single settings file for auto-import.
- Updated the implementation of damaged-probe detection.
- Changed the name of the device’s “Programs” menu option to “Take Temps...”.
- When only 1 User has been downloaded to the handheld device, the log-in screen is now skipped when entering “Take Temps...” mode.
- Added "No data is saved here" message when entering Spot-Check Temps mode on the device.
- Updated contact information for technical support.

#### Fixes

- Fixed bug that caused the unit to freeze when using a damaged probe.
- Fixed bug that prevented unit from entering auto-off under certain circumstances.
- Fixed issue where disabling SFTP Mode in the software app was not being remembered.
- Addressed rare exception occurring when software is updated on a PC with no Bluetooth adapter.
- Various other bug fixes.

### Release 6.0.67 on March 14, 2023

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

#### Fixes

- Fixed a false positive ‘missing/damaged probe detection’ message that occurred on the device under certain conditions.
- Fixed LCD backlight blinking issue that sometimes occurred on the device when installing deeply discharged batteries.

### Release 6.0.63 on November 11, 2022

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

## Changes & Enhancements

- Faster wake up from device sleep.
- Added option to exit out of a Conditional Question sequence by pressing the device's LEFT keypad.
- Enhancement in device firmware exception handling with automatic device reset.
- New Export/Import Questions tool in the Program → Questions tab of the Temp-Taker app.
- When replicating a row in the Temp-Taker app, the new row now appears immediately after the row being replicated instead of at the bottom of the list.

## Fixes

- Fixed missing temperature measurement units when displaying temp results on the device screen under certain circumstances.

## Release 6.0.51 on November 1, 2022

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

## Changes & Enhancements

- New "Not Served" feature for Holding, TILT, Cooking, and Cooling items. Pressing and holding down the CENTER button for 1.5s provides option to log the current item as "Not Served".
- New 'Show Expiration Time at TILT Start' feature is optionally enabled via the Temp-Taker App. When enabled, the device displays the expiration date/time of the item after every successful TILT period start event, allowing the user to handwrite pertinent information on a label.
- Enhanced the indication of a missed activity Reminder Alarm. The main LED now blinks continuously (up to 4 hours) even after the device automatically turns off. When the device is turned on, it provides the option to jump to the target Program to begin activity.
- Improved Bluetooth connectivity performance.
- Enhanced UI validation logic to prevent invalid entries.
- Enhanced system event logging to facilitate the troubleshooting of issues.

## Fixes

- Fixed exception that occurred when software installed on machines with no Bluetooth adapter.
- Fixed issue that prevented the successful download of Calendar Program settings to device under certain circumstances.

## Release 6.0.43 on August 3, 2022

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

## Changes & Enhancements

- Implemented additional Bluetooth connectivity and troubleshooting improvements.
- Improved battery life by reducing power consumption when Temp-Taker® device is asleep.
- Report data can now be rendered in reverse chronological order while maintaining the 'Group Related Events' feature enabled.
- Increased capacity for simultaneous data uploading from multiple Temp-Taker® devices.
- Sections within tabs are now automatically maximized when selected.
- Added the Bluetooth status icon to the bottom of the screen in Spot-Check Temps, Timer, and Clock modes.

- A supervisor or admin must now be logged into the app in order to hide/unhide or reorder a data report column.
- Changed alarm pattern for countdown Timers 1 through 3.

## Fixes

- Entry into Clock mode is now prevented when the system clock has not been set.
- Fixed bug preventing certain data report columns from applying the previously saved sort setting.
- Fixed various miscellaneous bugs.

## Release 6.0.25 on May 15, 2022

This is the first Temp-Taker® 6 release (post Beta). It includes new device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices. Users running the Temp-Taker® 5 software will have the option to upgrade their software to Temp-Taker® 6. As with all prior updates, data and settings are preserved. The Temp-Taker® 6 software can run simultaneously with Temp-Taker® 4 on a given PC; however, their respective databases remain independent of each other.

## New Features, Enhancements, and Changes (over Temp-Taker® 5)

- Improved support for Windows 11.
- New ITD Cloud Portal data service allows subscribed customers to send their data to ITD's server where they can consolidate, view, and analyze data from any device via the Internet.
- Improved Bluetooth connectivity performance and simplified the pairing process.
- Improved Bluetooth error detection and user feedback with auto-correction – e.g., automatically resolving unbalanced pairing conditions and some hardware conflicts.
- Improved Reports intelligence in detecting and auto-correcting for changes made to Program and Process settings that affect current report filters.
- Improved tools used to create settings – e.g., dropdown item selection memory and allowing duplicate members.
- New UNDO option for out-of-range Questions with Temperature type answers.
- Enhanced system event logging to improve user technical support.
- Updated available options for Email Account provider settings in the Reports → [gear icon] tab.
- Application installer checks for presence of USB keyboard to determine the default view scale (Application Text/Button Size) on fresh installations.
- Reports data grid now includes a filter icon to readily identify hidden columns that contain applied filters.
- The Programs grid now uses a bold green font to more easily identify Programs that are set to load when Program Groups are enabled.
- When turned on, the Temp-Taker® device now reminds user to bring device in Bluetooth range of software application so that stored data is uploaded.
- The Name & History grid in the System → Device tab now provides additional information on device probe type, calibration, and Bluetooth pairing history.
- Backed up settings are now saved to a file with a *.dt6* extension and Auto Import looks for files of this type to automatically import settings. However, when performing a manual import, users can choose to import settings from either a *.dt6*, *.dt5*, or *.dat* file in the Select File dialog.
- Changed device Bluetooth name. The new name includes the unit's serial number.

## Fixes

- Fixed bug that would occasionally cause a switch to another Reports tab when uploading data records.

- Fixed data-upload bug that could occur under certain circumstances when uploading question-type records in the background.

## Release 5.0.79 on February 1, 2022

This release did not include any changes to device firmware code – i.e. firmware remains at v5.0.69.0.

### Fixes

- Fixed bug that caused the email account password to be unexpectedly cleared under certain circumstances thereby preventing successful emailing of Auto Reports and Insufficient Activity Notifications.

## Release 5.0.75 on August 26, 2021

This release did not include any changes to device firmware code – i.e. firmware remains at v5.0.69.0.

### Changes & Enhancements

- Applied new code signing certificate.
- Adjusted the 'Select File to Import...' window to show both \*.dt5 (Temp-Taker® 5) and \*.dat (Temp-Taker® 3 & 4) settings file types. Removed the 'All files (\*.\*)' dropdown option.
- Added logic to append the .dt5 filename extension, if the filename is missing it when saving.
- Implemented more improvements in Bluetooth error logging to aid in troubleshooting Bluetooth issues.
- Added logic to preserve current app text/button size scale setting when importing Temp-Taker® 3 & 4 (\*.dat) settings files.
- Updated links in Help window.

### Fixes

- Added logic to Advanced Program Options window to allow the saving of changes under certain circumstances.

## Release 5.0.69 on April 9, 2021

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

### Changes & Enhancements

- Improved detection and reporting of possible Bluetooth hardware issues.
- Missing/damaged probe detection is now performed during the following scenarios:
  - When unit powers up (after battery installation)
  - On unit wake-up from sleep
  - After every temp measurement event – just before results are displayed/logged
  - Upon entry into Spot-Check Temps mode and every 2 seconds thereafter while in Spot-Check Temps mode
- Application window can now be resized from any of the four corners.
- Added a low-battery alert screen on the Temp-Taker® device that is displayed upon wake-up when the battery level is below 10%.
- Added a Memory Usage screen to the Temp-Taker® device's Info mode.
- When the software is installed on a PC where earlier versions (Temp-Taker® 3 or Temp-Taker® 4) had SFTP mode configured and enabled, the new version will copy the server configuration file from the previous version in order to maintain SFTP mode enabled.

- When a Bluetooth hardware change occurs (e.g., switching to a new Bluetooth adapter) on PC with paired Temp-Taker® devices, the devices are now automatically unpaired in the software and the user is alerted to pair the devices again with the new adapter.
- Improved logging of internal Bluetooth operations in *system.log*.

## Fixes

- Resolved error that prevents application from starting up if Windows Bluetooth Support Service is stopped.
- Resolved error that, under certain conditions, caused application to stop working when Bluetooth Radio is switched off in Windows Settings and is then switched back on.
- Fixed bug that caused report column reorder changes to be lost when switching to the gear tab.

## Release 5.0.63 on March 13, 2021

This release includes updated device firmware code. The software application automatically performs a firmware update on all paired Temp-Taker® devices.

## Changes & Enhancements

- The Email button in the Print Preview window now sends email directly using the configured email account settings instead of attempting to launch the local email client.
- Added safeguard to Email Account Settings that trims any trailing spaces in the “From Address” and “Login Username” fields, which can otherwise cause email failure.
- Clearing out email account settings is now permitted provided there are no dependent Auto-Generated Reports or Insufficient Activity Notifications enabled.
- The Answers Builder window (used when defining Questions) now prompts user if no conditional question is specified for Above/Below Range answer on questions of type Temperature.
- Calendar Programs that are set to Auto-Load are now automatically downloaded to device as needed when cycling into a new day, week, or month.
- User is now alerted to possible Bluetooth Radio conflicts when attempting to pair a device on a PC where Windows Device Manager indicates a Bluetooth error state.
- Added number-of-items counter and Clear All button to the Program Elements, Checklist, Holding, TILT, and Cooling Group Builder dialogs.
- The Security Log is now automatically displayed when an Admin user logs in and there are recently-added security events that have not yet been seen.
- The Name & History grid in the System → Device tab now more clearly identifies devices that are missing factory calibration.
- Successive/rapid grid row deletions (performed by holding down the DELETE key) now occur in the downward direction only.
- A "No Programs were set to load..." message is now displayed on the Temp-Taker® device if, after any Bluetooth communication session, no Programs had been set to load.
- Added a tech support page to the Temp-Taker® device's Info mode.

## Fixes

- The label that indicates application settings have been modified since the last file import is now properly set after saving changes to Auto-Generated Reports or Insufficient Activity Notifications.
- User is prevented from enabling any Insufficient Activity Notifications so long as no email account is configured as this will cause an error when attempting to send text messages or emails.
- The Assigned Holding Zones column in the Program → Items tab now becomes visible when the “Load All Items as a Holding Program” and the “List only items assigned to Holding Zones” advanced Program Options have been enabled.

- The Device Log-In Screen Title field (in the System → Users tab) now properly refreshes after a \*.dt5 settings file is imported.
- Auto-Generated Reports and Insufficient Activity Notifications that are imported from a \*.dt5 settings file are now disabled if no email account has been configured.
- The Mail-To Address field of Auto-Generated Reports can now be cleared out when Email Account is not configured.
- Fixed bug that would (under certain conditions) clear out the email account password after performing changes to Report Templates.
- Fixed bug where user would occasionally be prompted to 'Save or Undo changes before leaving' when no changes had been made.
- Fixed Temp-Taker® device firmware issue wherein alarms that activated while the device was asleep would be cut short.
- Fixed a device firmware error vulnerability in Bluetooth communication.

## Release 5.0.55 on August 28, 2020

This release includes updated device firmware code.

### Changes & Enhancements

- Created new battery-conservation feature that extends battery life 3-to-5 times (depending on device usage). The v5.0.55 software-update automatically enables the feature. The feature may be disabled/enabled via the Settings section of the System → Device tab. If enabled, the Bluetooth radio inside the device is automatically powered off when the device powers down. When the device is turned on, the Bluetooth radio is automatically turned back on. When this battery-conservation feature is enabled, the Temp-Taker® app cannot turn on the device remotely because there is no Bluetooth connection.
- Enhanced Bluetooth error-state detection; displays message when there is 'No Active Bluetooth Radio Available', an 'Incompatible Bluetooth Radio' is detected, or an 'Incompatible Windows Version' is running.

### Fixes

- Fixed Bluetooth connection issue (that is caused by an error in the Windows Bluetooth driver) by implementing a workaround in the Temp-Taker® software code. Eliminated the need to disable the Windows Bluetooth power-saving property, which becomes inaccessible in the Windows feature update, version 2004.
- Fixed vulnerability that prevented the device from engaging auto-off when the host PC is put to Sleep under certain conditions.
- Fixed cause of application error that can occur on startup if the Bluetooth radio in Windows settings is turned off.

## Release 5.0.51 on June 25, 2020

This release includes updated device firmware code.

### Changes & Enhancements

- Added reminder alarm weekday settings feature which allows the user to specify the weekdays that Program reminder alarms are enabled.
- Made application compatible with Windows Lockdown (Multi-App Kiosk) mode.
- Added protection against inadvertent column sorting in report view. Before sorting is permitted, the corresponding Group Related Events box must be unchecked in Reports → [gear icon] tab.

- PIN resets, performed via the software app, are now recorded in the Security Log section of the System → Security tab.

## Fixes

- Adjusted the 'User' column width when printing to take into account a wider custom 'User' title.

## Release 5.0.41 on March 18, 2020

This release includes updated device firmware code.

## Changes & Enhancements


- Increased data-upload throughput.
- Added Hourly, 5 min, and 1 min interval options to the Auto-Import feature.
- Added new Auto Flip feature. When enabled, the display automatically flips upside-down according to the unit's physical orientation.
- Added a label to the main window footer containing the count of units in need of new settings after an auto-import.
- Modified auto-generated filenames to minimize the possibility of filename conflicts. Also, all space characters are now replaced with underscore characters.
- Software now automatically displays the Bluetooth section of the System → Device tab on login, if there are no paired devices.
- Enhanced database archiving feature. Backups are now generated as needed throughout the day.
- Improved user calibration process on the handheld device.
- Handheld device now displays 'Pair Bluetooth' option on welcome screen when the device is not paired.

## Fixes

- Fixed error in device reminder alarms for Auto-Import and Auto-Report features.
- Fixed error wherein some Program Group and Program fields in Cooking/Cooling data records were empty.
- Addressed issue where the email account Login Password would not bind after saving changes.

## Release 5.0.29 on December 3, 2019

This is the first Temp-Taker® 5 release (post Beta).

 **NOTE:** The Temp-Taker® 5 software can be installed alongside Temp-Taker® 3 or Temp-Taker® 4. If so done, the installer will copy the data and settings from the previous software version to Temp-Taker® 5 at the time of installation. Although the old software will continue to function, only one instance of Temp-Taker® can run at a time on a given PC. Also, because of the addition of Bluetooth hardware, the Temp-Taker® 5 software application is not compatible with Temp-Taker® 3 & 4 handheld devices. Please contact ITD Food Safety for upgrade options.

## New Features, Enhancements, and Changes (over Temp-Taker® 4)

- All communication between handheld devices and the PC Temp-Taker® application is performed via Bluetooth.
- While a Bluetooth connection is maintained, all device generated data is automatically uploaded from the handheld unit to the PC Temp-Taker® application.
- Multiple data report tabs, with their own dedicated scope, can now be created and customized.
- Multiple auto-generated text and email notifications can be configured to report insufficient data-logging activity.

- Auto-Generated Reports (FKA Auto Report) was enhanced to allow *multiple* configurations.
- Application text/button sizes can be scaled to better suit tablet screen sizes.
- The application layout and text were revised to make software usage more intuitive.
- The *error.log* has been replaced with a new *system.log*. When the file grows beyond a certain size it is backed up to a file containing the timestamp in the name and an empty *system.log* file is started.
- Backing up software settings now produces files with *.dt5* file extensions (versus *.dat* files in Temp-Taker® 3 & 4). While *.dat* files can be imported into Temp-Taker® 5, *.dt5* files cannot be imported into older versions of the software.
- Added 2 new View Options for ISO (YYYY-MM-DD) and European (DD-MM-YY or DD/MM/YYYY) date formats
- Added a second buzzer to the handheld device to increase loudness of reminder alarms.
- Added a second LED to the handheld device to improve visual perception of reminder alarms.

### **Features Removed (from Temp-Taker® 4)**

- USB communication is no longer used.