

C.I.S. Quick Start

All Greenhouse Options:

When first opening C.I.S., click the Options tab in the top left corner. Here you'll find the following sub-tabs:

- **Preferences (Applies to all greenhouses)**
 - Main Tab
 - Enter the number of controllers you'll be monitoring in the box labeled "Max number of controller"
 - Enable/disable Weather Station by checking the box next to "Enable Weather Station"
 - Change the Time Log frequency for time (in minutes) between each log entry
 - Communications: Port Select
 - This is the USB port on your computer the Host Radio is plugged into. This varies from computer to computer. Select one of the COM ports that appear in the drop down menu. If the first one selected doesn't work, continue changing COM ports until communication is established.
 - Messaging Tab
 - Add Email or Text recipient for alarms/notifications
 - For Email, add your email address in the box under email recipient and click Add.
 - For Text, add your phone number and select your cell phone carrier in the drop down menu and click Add.
 - Above Sender, you will see a list of phone numbers and emails you have added to your recipients. Emails and phone numbers with a check mark next to them will be sent.
 - To remove a phone number or email from the list, right click and click "Remove this notification".
 - Add Sender email and password to enable text and email notifications. ****This must be done or notifications will not be sent.
- **Set All Clocks**
 - Changes all controller clocks to the time you input
- **Range Test**
 - See Radio Link Manual for range test instructions
- **Test Com**
 - Click to test communication between host radio and in-controller or base radio

Once the number of controllers has been input and correct COM port selected, you should see your greenhouses begin to appear on the left side of the C.I.S. screen. The left side gives a general overview of every controller monitored. The information on the right is specific to the selected greenhouse on the left. The selected greenhouse is indicated by being highlighted in blue.

Greenhouse Specific Tabs:

- **Status Tab**
 - Shows current status for selected greenhouse (temperatures, stage, timer, etc.)
 - The color of the box indicates whether it can be changed or not
 - Gray = Value cannot be changed
 - White = Value can be changed by double clicking the box
 - Once clicked, a pop out will appear with options for changing the selected setting. Click Save when desired setting is entered.
 - Green = Current stage of operation (DIF, DAY, or NITE)
 - Orange = Value is temporary and will be changed back to original setting when the stage changes
- **Statistics Tab**
 - Displays average temperatures for the last 7 days; Information read from the controller
- **Run Times Tab**
 - Displays the appliance run time for equipment in the greenhouse (COOL 1, COOL 2, HEAT 1, etc.) (Information read from the controller)
 - **This will only be shown if the controller has been updated to the current software. GHK version F or RWL version H
- **Logs Tab**
 - Shows data logged by either time or event as they happen in the greenhouse (Information stored on the computer)
 - Displays up to 300 events per greenhouse
 - Right click the graph to zoom in for a closer view
 - Left click on the graph to highlight the table value
 - Left click on the table to highlight the position on the graph
 - ****You must activate logs under the Menu tab. See Menu Tab for details.
- **Program Tab**
 - Write saved program to the current controller
 - Save what is currently programmed into the controller for later use
- **Menu Tab**
 - Change name of each greenhouse
 - Set high and low alarms temperatures
 - Change delay between heats and cools and On-to-Auto time
 - Activate data logging by date or event
 - To activate:
 - Check the box next to Log Data by Event and/or Log Data by Time.
 - Click Select File and determine where you would like the information saved. ****If you don't click the Select File button, an error may pop up saying "Unable to write to file."
- **Weather Station (If Enabled)**
 - Change activate set point, drop out set point and the delays for the Wind/Rain Alarm
 - Current conditions displayed
 - Stats shown for the last 7 days