

RIDDER GROWING SOLUTIONS



# HortiMaX-Go!

## Firmware 2.6.5

Release notes & Checklist

IVDF

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This document describes all the necessary steps for successfully updating HortiMaX-Go! Also it describes the release notes, all changes, and improvements of the program.



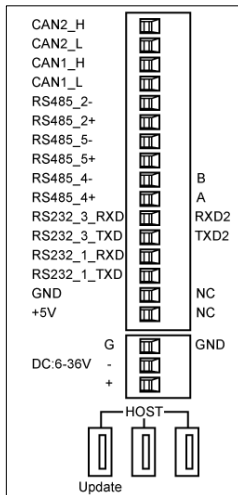
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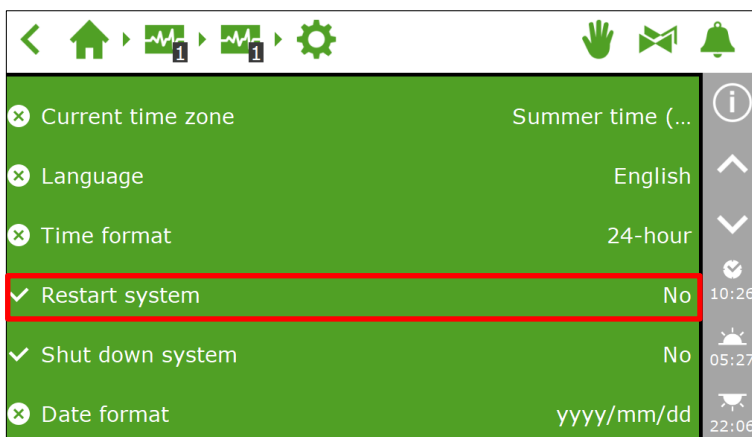
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## Update instructions HortiMaX-Go!

- 1) Download the update from the HortiMaX Support Portal. The update contains 1 file: HortiMaX-Go! update\_[#version].zip
- 2) Unzip the contents of this file to the root of an empty USB disk
- 3) Insert the USB stick in the update USB port of the HortiMaX-Go! (version 3):



- 4) Go to the configuration menu by tapping the Clock icon  10:28 :
- 5) Select 'YES' and Restart the HortiMaX-Go! to start the update process



- 6) When the update menu opens there will be two update options:
  - Update HortiMaX-Go! System update;
  - Smart Switch update.

**Note:** Both updates need to be installed. Follow instructions on the screen


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### HortiMaX-Go! System Update:

1. Select the button HortiMaX-Go! system update and press the start button
2. Press "finish" when the update process is ready


### Smart Switches firmware update:

1. Select the button for updating the Smart Switches
2. Select the scan button to scan all the Smart Switches in the system. This will generate a list with all connected Smart Switches including type, ID and current firmware versions.
3. Press "start" to perform the update.
4. When the installation is ready just tick 'finished' and the system will restart. Don't forget to remove the USB stick after the system has started.

Installed version can be checked by long pressing the " I "button  in the upper right corner. This should be the same as in the filename of the update (step 1).

More info check <http://help.hortimax-go.com>

## Checklist per version

| Update to version | Description  | Check (Initials) |
|-------------------|--|------------------|
| 2.6.5             | No specific checks   |                  |
| 2.6.3             | No specific checks   |                  |
| 2.6.1             | Create a backup on USB, you can find out how at <a href="https://help.hortimax-go.com">https://help.hortimax-go.com</a>  |                  |
| 2.5.1             |  We advise always to update the smart switch firmware since this is needed to add control function for rain sensitivity |                  |
| 2.2.2             | No Specific checks   |                  |
| 2.2.1             | Check historical data after update   |                  |
| 2.1.5             | No specific checks   |                  |
| 2.1.2             | No specific checks   |                  |
| 2.1.1             | No specific checks   |                  |
| 1.2.13            | Check Geo location after update<br>Check IP settings after update  |                  |

## Language Support



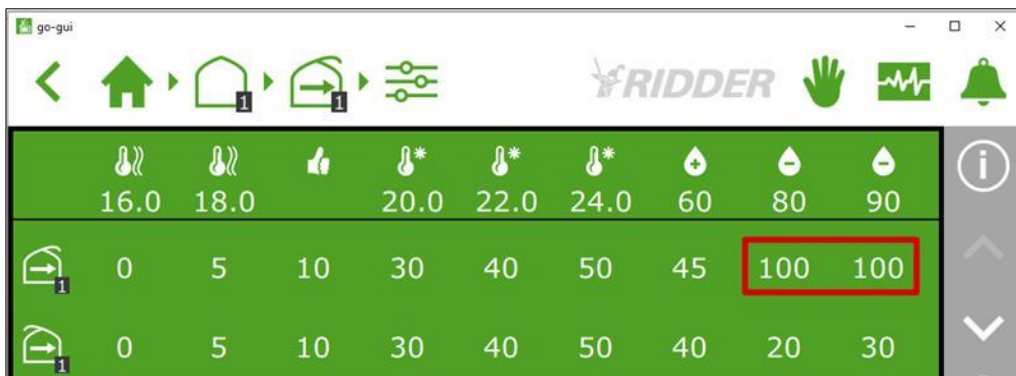
## Firmware Update packages

This section describes the added, changed, and improved functionalities within the different Firmware update packages.

### Firmware update packages - 2.6.5

#### Added functionality

- **Automatic humidity control for top vents if too humid (31634).**  
The automatic humidity influence is activated when the humidity exceeds the threshold of 100. If the entered value is 99 or lower, the setpoint is considered to be at the minimum ventilation position, as it currently is.



#### Changed functionality

- **SmartSwitches V1.1.9 (32120)**  
Smart Switch firmware version 1.1.9-rc8 is included in this release.

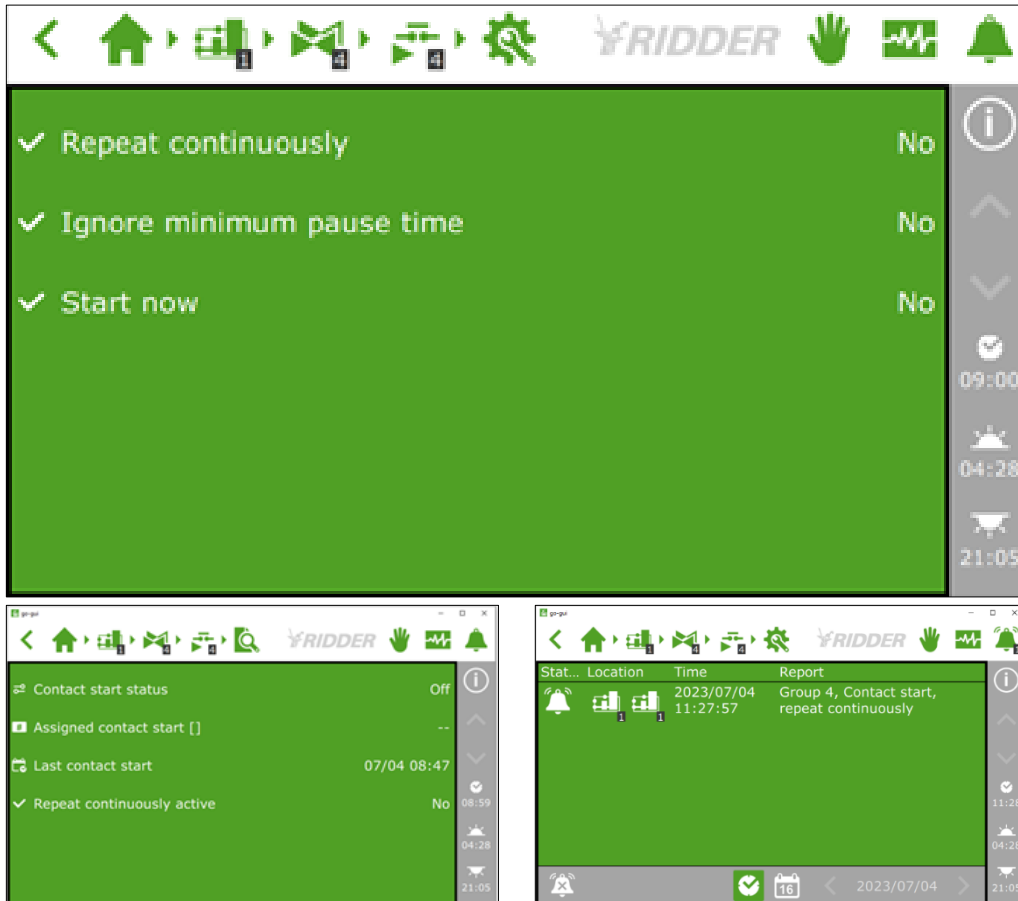
#### Improved functionality

-

## Firmware update packages - 2.6.3

### Added functionality

- Night frost irrigation (30116) Contact start can be used for night frost irrigation. At contact start the following settings have been added: Repeat continuously, ignore minimum pause time, Start now.



- Translations CleanLite and Nona+ into Chinese (28115).  
 CleanLite and NoNa+ are translated into Chinese.

### Changed functionality

-

### Improved functionality

- Issues with RH control (30117)  
 Bugfix RH control.
- Fluctuating T/RH measurement with SmartSwitch RGS9225 (29941)  
 Software filter for T/RH/CO2/PAR measurement at RGS9225 SmartSwitch
- Wrong period if the last period goes through the night (30358)  
 If the period times between 00:00 and 23:59 are not consecutive, an alarm will be raised. Both during periods of climate control and for irrigation groups.

## **Firmware update package - 2.6.1 (Only Hortimax-Go climate)**

### **Added functionality**

- **It is now possible to create a full system backup on USB drive. Instructions are found on our [Online help](#) (DevOps 19688).**
- **Minimum and Maximum vent position are now available for top ventilation (DevOps 19026,632)**
- Created a stand-alone demo version for Windows pc's this is available for official resellers and distributed through our dealer support portal (DevOps 19610);
- Updated Android demo and added new control types of PAR and moisture content (DevOps 20471).

### **Changed functionality**

- Radiation screen now uses a delay time of 10 minutes before release (DevOps 3193).
- Automatic function of outside screen corrected, now works on radiation and wind peak (DevOps 16893).
- Smoothed Radiation is shown in the graphs for screen and outside screen (DevOps 13170).
- Updated PC program that runs on Windows 10 or higher (DevOps 16903).
- Smart Switch Firmware 1.1.7 included in build (DevOps 18634).

### **Improved functionality**

- Some enum values weren't shown in graphs, this is corrected (DevOps 19163).
- The radiation sum is reset at midnight for each irrigation group (DevOps 18027).
- Updated and improved translations (DevOps 20698).
  - Updated Languages Climate / Water: NL, GB, FR, ES, IT, PL, DE, KO, CN, TR, FI, RU.



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## Firmware update package - 2.5.1






This is a major upgrade. Several control functions have changed, major additions and improvements are done which can cause a different behavior of the control. Also some.

### Added functionality

- You can now add up to three letters to a control instance for identification. These letters are shown on the green control tile and in the stage screen. This function helps to identify which Smart switch is which. (622).
- For (side) vent and screens an identification letter(s) is automatically added based upon the set orientation. In this way it is directly clear in what direction the vent or screen is positioned. (9856)
- In the meteo settings we added a setting for 'rain sensitivity.' This setting is used to increase or decrease the sensitivity of the rain detection. The scale is 0-100, 100 being the most sensitive. (7041).
- Added new layout graphs for top and side wall ventilation (3409).

### Changed functionality

-  • When power to Meteo-Go! was down it takes a few minutes to determine the right wind direction again. In this period the system doesn't know what the LEE and WIND side is, for safety reasons it will than show WIND side on both sides to protect against possible gale conditions. When the measurements are back this is automatically corrected. However, if there is no/low wind (<3m/s) the weather station can't determine the direction in this situation the control now will change from 'WIND-WIND' on both sides, to 'LEE-LEE' until the windspeed measurements are back. (603).
-  • In prior control software the system pump shut down in between irrigation shifts of different irrigation groups. With the new control software the pump stays active in between shifts of multiple groups if these groups have shifts are already in the cue. This new control prevents water shock in the water lines. (3402).
-  • The radiation screen control has changed, it now waits at least 10 minutes for opening. The measured radiation should be at least 70% below the set threshold for 10 minutes before the screen is released. In prior control this time limit wasn't applicable, and this caused erratic screen movement. With the new control the screen will not move as often. (10391).
- The maximum range of the flow sensor is now set to 10.000 liter.
- The runtime for screens and vents can now be set to 20 seconds as a minimum (before it was 30).

### Improved functionality

- Smart scaling of graphs improves readability because we don't show the whole measuring range anymore but scale the graph based upon the measurements. In this way you can see more details in the graphs. Note that this also means the scale will change and can be different between when opening the graphs. (3400).
- Outside screen will now react better to gale conditions (10291).

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## Firmware update package - 2.2.2

This is a minor service update, small improvements to export and controls. Data export can be activated by the end-user on the Cloud portal.

### Added functionality

- Added Smart Switch support for HortiMaX-Go! Moisture sensor (VWC,EC,T) art. No 31503340 (Mantis 6543).

### Changed functionality

- EC readout from moisture content sensor changed from bulk to Pore (Mantis 6544).
- Increased max range of the K-factor of the flow sensor for US custom standard 126 => 1817 pulses/Gallon (Mantis 6680).
- Activation button removed from Cloud menu (can now be done on <https://portal.hortimax-go.com>) (Mantis 6627).

### Improvements

- Improvements for data export.
- Improved RH control (Mantis 6415).

### Language support

## Firmware update package - 2.2.1

This is a major upgrade and the first version to support data export. Data export can be activated by the end-user on the Cloud portal. <https://portal.hortimax-go.com>

### Added functionality

- Added support for Cloud export.

### Changed functionality

-

### Improvements

- Fixed problem with EC control (Mantis 6155).

### Language support

-

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## Firmware update package - 2.1.5

This is a major upgrade. Internal preparations for new Azure cloud environment are made as well as support for new generations of units. This version supports data export, this also requires an update of the Cloudbox and new apps.

### Added functionality

- Support for Moisture content Smart Switch (Mantis 5956).
- Data export function to HortiMaX-Go! cloud (Mantis 6334).
- Added graph of vent position and RH for lee and wind side (Mantis 5388).
- Added radiation to the screen graph (Mantis 6184).
- Added status to the irrigation group window (Mantis 5471).

### Changed functionality

- RH influences are made smoother (Mantis 5889).
- Direct control of the windows above 98% disabled (Mantis 6237).
- Max run times of motors increased to 3600 seconds (Mantis 6126).
- CO2 dosing in pulses of seconds and not in minutes (Mantis 5435).

### Improvements

- Delay for Wind direction and speed after reboot (Mantis 6124).
- Improved alarm functions for water units (Mantis 6166).
- GPS Alarm disable when GPS is on manual (Mantis 6169).
- Alarm beeper automatically reset after confirming all alarms (Mantis 6168).
- Improved logging of pulse times (Mantis 5708).
- Humidification stage limit also works if RH is 100% (Mantis 5233).

### Language support

Updates for all language files, added Finish (Mantis 6352).

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## Firmware update package - 2.1.2

This is a minor service release.

### Specific Checks

- no

### Added functionality

- Setting added for maximum position gale side vents leeward and windward.
- Read out for software versions added in settings menu.

### Changed functionality

- Increase maximum value for setting time on/off Inflation control (=>43200 sec).
- Increase maximum value for setting of wind speed gale to 25m/s for top and side vents.

### Improvements

-

### Language support

Updates for all language files, no added languages.



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## Firmware update package - 1.2.13

This is a minor service release.

### Specific Checks

- no

### Added functionality

- Alarm "controller has rebooted" added + setting to deactivate this alarm

### Changed functionality

- Vietnamese flag added to Language selection dialog.

### Improvements

- Performance improvement;
- Problem with setting for Radiation start in Irrigation fixed;
- Problem with time starts fixed;
- Improve setting IP addresses and DHCP updates;
- Updated translations for (de-) humidification;
- Improvement for setting Geolocation;
- USB menu Help button fixed.

### Language support

Updates for all language files, no added languages.