



HYGROGEN2 VERSION 2.0 INSTALLATION INSTRUCTIONS

Pre-installation notes

A new major version of the HygroGen2 software is now available – version 2.0.

Version 2.0 software is a complete software package, containing standard and enhanced features. Enhanced features are enabled by typing in an activation code once the version 2.0 software is installed.

It is strongly recommended all HygroGen2 customers upgrade to version 2.0 whether enhanced features are required or not.

Version 2.0 Standard:

New features -robustness to power outages, improved water level sensor communication and calibration, and touch screen calibration.

Enhancements for Version 2.0

AutoCal, temperature Range Extension and humidity Range Extension. Enhancements can be activated after installing the Software 2.0. For activation see section III, Chapter 2.

Embedded HW4 Software

Please note version 2.0 contains an installation of HW4 v3.x which is not activated by default.

Customers with HygroGen2 version 1.x and HW4 v3.x will need to re-use their HW4 v3.x license key.

Customers with HygroGen2 version 1.x and HW4 v2.x will need to either:

- Buy a HygroGen2 HW4 v3 license key- HG2-HW4-V3
- Buy AutoCal (which includes a HW4 v3 license key)
- Downgrade to HW4 V2.4 and re-use their existing HW4 V2.4 license key

Installation of HygroGen2 software version 2.0

[Using either downloaded zip file or supplied USB stick]

HygroGen2 software version 2.0 is available via download from the ROTRONIC website. It needs to be copied onto a bootable USB stick with at least 4GB space. The process is destructive and will erase the contents of the USB stick used.

Alternatively a pre-made installation USB stick can be ordered from your ROTRONIC dealer.

- **Section I**
Describes the creation of the bootable installation USB stick
- **Section II**
Describes the installation process once you have the installation USB stick ready/received.

Section I – Creation of installation USB stick

(can be skipped when USB stick HG2-V2.X-UPGRADE is ordered)

Works only with Windows 7!

1. AUSB drive with at least 4GB of storage space is required for installation.

The drive will be erased during the following process.

From Windows Command Prompt (Windows Key +R, then type CMD + enter)

- Type **DISKPART.exe**
This will display a prompt Diskpart
- To list the physical disks attached to your workstation, type “list disk”
Diskpart>list disk
The USB device will be displayed as one of the disks.
Select the appropriate disk. Make sure you do not select the wrong disk.
A 4GB device below is shown as disk 1 (3901MB).



- Diskpart>select disk 1
Verify that the selected disk is the one that you will clean, format, and activate.
- Diskpart>detail disk
Confirm the selected disk has the appropriate drive letter.
Then clean the disk.
- Diskpart>clean
Create the partition.
- Diskpart>create partition primary
Mark the current partition as active.
- Diskpart>active
Format the volume.
- Diskpart>format fs=fat32
Exit DISKPART.
- Diskpart>exit
Your USB stick is now bootable.

2. Download install package

The installation package HygroGen2ver2.0.zip is available from www.rotronic.com
– Downloads – Software and Licenses – Section Calibration

3. Extract the zip file to the bootable USB stick

Right click the downloaded file and select 'Extract All' and select the root of your USB stick, e.g. D:\. (i.e. not a subfolder). Extraction may take some time (up to an hour). Safely eject the USB stick when done.

Your stick is now a HygroGen2 (version 2.0) USB installation stick.

Section II - Installation of HygroGen2 version 2.0 from installation USB stick

You will need a USB keyboard and mouse plugged into the HygroGen2 to perform the following steps. And make sure your HygroGen2 connected to a stable power supply.

- Make a note of existing HW4 software version and serial number.**
 - Boot your HygroGen2 in the conventional manner. Press the HW4 button and 'Start HW4'.
 - Select 'About HW4' from the 'Help' menu.
 - Make a note of the HW4 version number and serial number (ID) which should be in the format XX.YYYYYYZZZZZ.
 - Close HW4.
 - Insert the USB stick into one of the **back ports** of the HygroGen2.
 - Go to the settings screen and press Update software, then press OK to restart your HygroGen2.
- HygroGen2 version 2.0 installation**
The HygroGen2 will now boot with a Windows loading screen and load with a HYGROGEN INSTALLATION DRIVE splash screen. It will take a few moments to initialise all the hardware components.
 - Note the warning and press RETURN
 - Type 'C' [RETURN] to copy the current HygroGen2 settings to your USB installation drive and confirm the action type 'Y' [RETURN].

This creates a snapshot of the current HygroGen2 settings, particularly customisations to the controller settings that may have been tuned uniquely for your particular instrument. At the end of the installation, the USB stick should be labelled with the serial number of the HygroGen2, and stored safely. This USB stick should be used in the event the unit requires a system recovery.

- Type 'Y' [RETURN] to install HygroGen2 version 2.0 software.
- Confirm no other USB peripherals apart from keyboard, mouse, and your USB installation drive are plugged in. Press any key to continue.
The installation process will then proceed, which will take approximately 30 minutes.
- Select appropriate settings:
- Last Used (L)**, Recovery (R) or default (D), **Select 'L'**.

This will use the previous settings loaded on the HygroGen2 IRRESPECTIVE of whether you performed the clone process in step 2(b).

- Acknowledge the warning. Then unit will then shut down.
- Remove the USB drive and turn the HygroGen2 back on. The unit will then boot into CONFIGURATION MODE.
- Check the Touch Screen Calibration and Date/Time and the press OK (or cancel to skip this) to reboot the machine into OPERATIONAL MODE.

The unit will now operate as HygroGen2 standard version 2.0

Section III - HW4 and Enhanced Features activation

1. HW4 activation

HygroGen2 version 2.0 installs HW4 version v3.x. If the code you noted in Section II step 1(c.) is not version 3.x proceed to step (a.). Otherwise switch on your HygroGen2 and proceed to step (i.).

- To use HW4 you have 3 options. Either you can downgrade to HW4 V2.4, buy and upgrade to HW4 v3 or buy the AutoCal enhanced feature set which includes HW4 V3.
Please note a standard PC HW4 V3 license will not work.

To downgrade to HW4 V2:

- Select the file 'HW4 v2 Update.zip' on your USB stick.
- Right-Click the software package and click «Extract to...» and choose the root directory of the USB stick.
- Safely dismount the USB stick from the PC.
- On the HygroGen2, go to the Settings page, then select 'Update Software' from the 'Updates' drop-down menu.
- Select OK to boot the HygroGen2 into configuration mode.
- Once the HygroGen2 is in configuration mode, insert your USB stick into one of the back ports and select 'Update HW4'.
- Press OK to reboot.

Having obtained a HW4 V3 license key or downgrade to HW4 V2.4, now enter the HW4 code:

- On the HygroGen2, press the HW4 button. Select 'Start HW4' and enter the code.

2. Activate the Upgrade Features (AutoCal and Range Extension),

Obtain an activation code for the desired enhanced features from your ROTRONIC dealer.

You will need to supply your HygroGen2 serial number (see rear of instrument) when ordering the code.

To activate the upgrade features, go to the Settings page, select the 'Updates' drop-down menu and choose 'Upgrade Features'. The green lights will light up displaying the upgrade features which will be available immediately.

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