



# CORIOview™ Multi-window Processor Classic mode Dynamic mode CORIOgrapher™ V2.9 and above

Quick Start Guide V1.20

Firmware version M409 and above

QSG-MWP-V1.20

Feb 2020

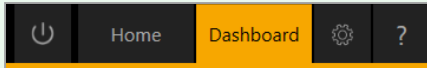
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### Get more help



You can read more online. To open the online help, select **?** in CORIOgrapher, or visit [help.tvone.com/products/mwp-series/coriovew](http://help.tvone.com/products/mwp-series/coriovew).



Thanks for buying this CORIOview multi-window processor. CORIOview works with CORIOgrapher software to support your needs with an easy-to-use interface and front panel buttons.

CORIOview now runs in two modes. This Quick Start Guide covers setting up your CORIOview in either mode.

About modes:

- Classic mode

Classic mode gives you more control over features like audio, transitions, borders, and rotating your output. You can more fully customize your layout, choose your output resolution, and even rotate your displays into portrait mode. Use classic mode for more sophisticated activities, such as broadcast management and medical applications.

If you've had a CORIOview for a while running a firmware version below 409, you're already using classic mode.

- Dynamic mode

Dynamic mode automates more of the features of your CORIOview. It has a simplified interface, automatic layouts, and is easier to use, even if you're not very experienced. As a result, dynamic mode is better for activities like running meetings and lectures, and security monitoring.

# Quick start

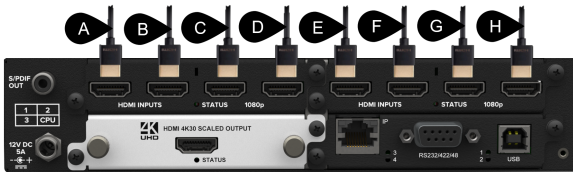
This Quick Start Guide gives you an overview of the steps involved in setting up your CORIOview™ hardware and CORIOgrapher™ software.

It's easy to get started with your CORIOview, but if you want more help with any of these steps, or with using the features of CORIOgrapher, select **?** in CORIOgrapher and search, or ask a question. Or visit [help.tvone.com/products/mwp-series/coriovew](http://help.tvone.com/products/mwp-series/coriovew).

## 1. Install your hardware.

### a. Connect your display or displays to your output module.

Connect a source to each port of your input modules. If you intend to use classic mode, we recommend you label your cables 1 up to 8. If you intend to use dynamic mode, we recommend you label your cables A up to H, from left to right.



Connect the LAN port of the CPU module to your network.

### Video tearing



Using a mixture of frame rates and/or resolutions can cause video tearing. For best results, make sure your display and sources use the same frame rate.

### b. **OPTIONAL:** Connect a digital audio device to the S/PDIF audio output.

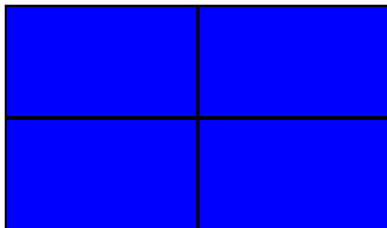
### c. Power on your CORIOview.



## 2. Check your display looks correct for each source.

Press PRESET, and then select the highest number button that is lit. For example, if buttons 1-4 are dimly lit, press button 4.

Make sure your sources are playing, check that each picture looks correct.



- ✗ Not the source you were expecting
- ✗ Blue screen
- ✗ Display keeps dropping signal
- ✗ No image

✓ Sources and display connected correctly

Possible causes:

- Source connected incorrectly
- Input ports named incorrectly
- Source not playing
- Source resolution not supported
- Display does not support HDCP
- Source does not support the required number of HDCP keys
- Poor quality or damaged cables

3. **Optional:** test the audio from each source.

- a. Press AUDIO, then press button 1 and check you can hear your source.
- b. If you can hear your source, repeat this step for buttons 2-8.
- c. If you can't hear your source, check it's not muted, at the source device or in CORIOgrapher.



Read more about controlling audio with CORIOgrapher in tvONE Help. In CORIOgrapher, select **?** and search, or ask a question.

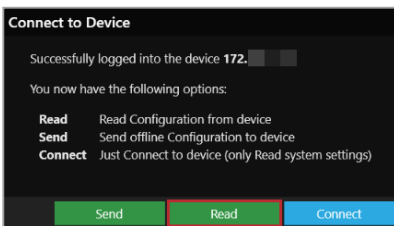
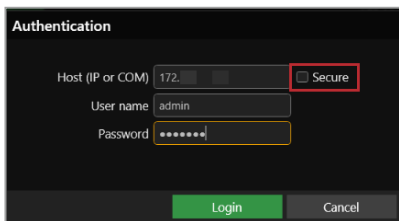
4. Install CORIOdiscover and CORIOgrapher.

Download the latest version of CORIOdiscover and CORIOgrapher from [tvone.com/tech-support/software](http://tvone.com/tech-support/software).

5. Open CORIOgrapher and select your CORIOview.

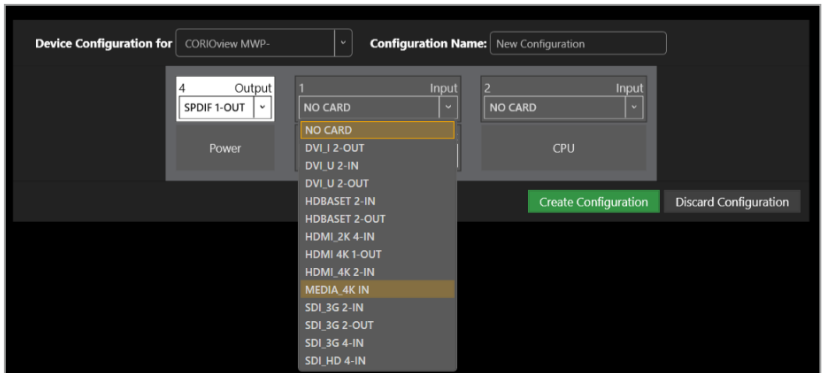


Enter your username and password to log in, and select Read to load your configuration.



- The first time you log in, make sure the Secure option is cleared.
- The default username is admin, and the default password is adminpw.

If you aren't connected to a CORIOview, you can create an offline configuration for your device.



The media player of the Streaming media and 4K playback input module is not available when you work in an offline configuration.

## 6. Choose your operating mode.

You can use your CORIOview in two modes. Classic mode gives you more control. Dynamic mode has a simplified interface, and some functions are automated. Classic mode is better for more sophisticated activities like broadcast management and medical applications, dynamic mode is better for running meetings and lectures, and for security monitoring.


You can change the operating mode later.

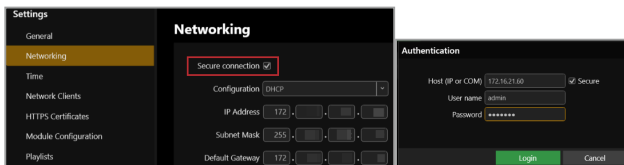
Read about changing your operating mode in tvONE Help.

If you selected classic mode, continue on page 6.

If you selected dynamic mode, continue on page 8.


## If you selected classic mode

1. **Optional:** enable secure mode.
  - a. Select  > Networking.
  - b. Select Secure connection.

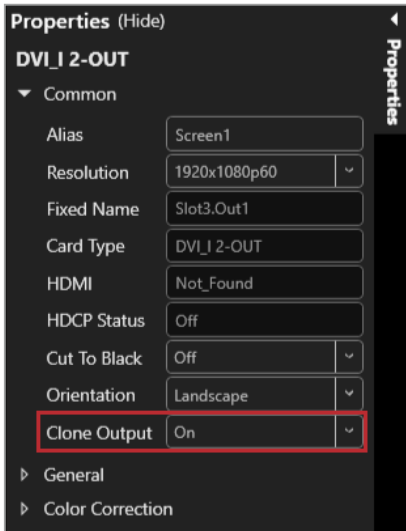



- c. Select Save > Save.  
CORIOview restarts.
  - d. Select Secure and log in.
2. **Optional, but recommended:** name your input and output ports.

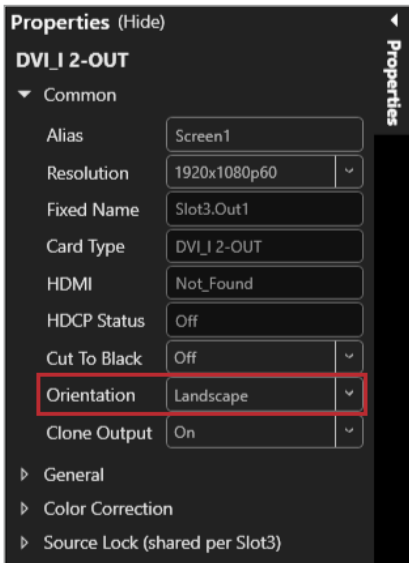
Input Slots		
Slot	Name	Status
Slot1.In1	Camera1	OK
Slot1.In2	Camera2	OK
Slot2.In1	PlayQueue1	OK
Slot2.In2	PlayQueue2	OK

- Select  > Slot Status. Give each port a name that describes the device connected to it.
3. **Optional:** If you want to use more than one display, enable output cloning.





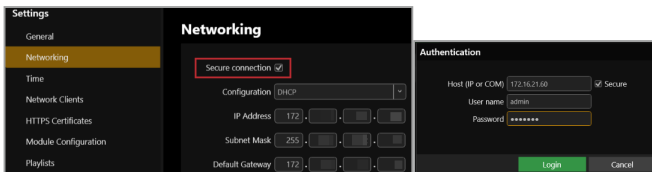
- a. From Dashboard, select .
  - b. From Properties< (Clone Output) select On.
4. **Optional:** If you want your displays in portrait orientation, enable output rotation.




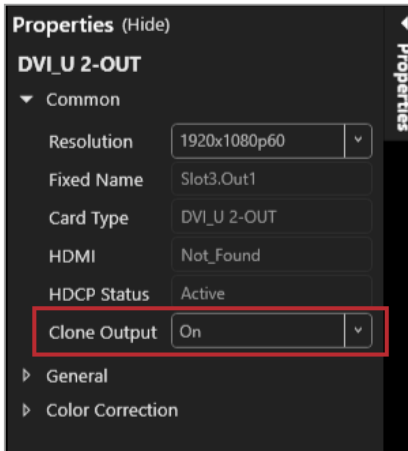
- a. From Dashboard, select .
- b. Select an option from Properties > Orientation.


## If you selected dynamic mode

1. **Optional:** enable secure mode.



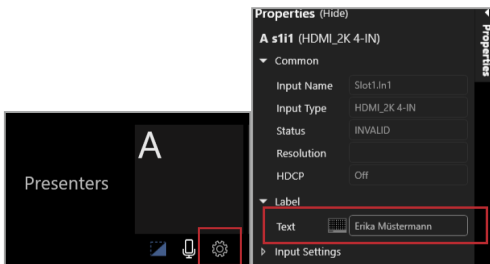
- a. Select  > Networking.
  - b. Select Secure connection.
  - c. Select Save > Save.  
CORIOview restarts.
  - d. Select Secure and log in.
2. **Optional:** If you want to use more than one display, enable output cloning.






- a. From Dashboard, select .
- b. From Properties > (Clone Output) select On.

3. **Optional:** customize your window labels.

You can choose the label text that appears on each window on your display.



- a. From Dashboard, select  underneath a presenter.  
For example, to add a custom label for presenter A, select  underneath presenter A.
- b. From Properties, customize your label. Labels can be up to 20 characters long. For special characters, select .

## Troubleshooting problems setting up



Read troubleshooting advice in tvONEhelp. In CORIOgrapher, select **?** and search, or ask a question.

### Next steps

Congratulations, your CORIOview is set up!

If your CORIOview contains one or more Streaming media and 4K playback input modules, you need to set those up too.

Read about setting up the Streaming media and 4K playback input module in tvONEhelp.

If you're using dynamic mode, you can start a simple meeting.

Read about starting a simple meeting on the back cover of this quick start guide.

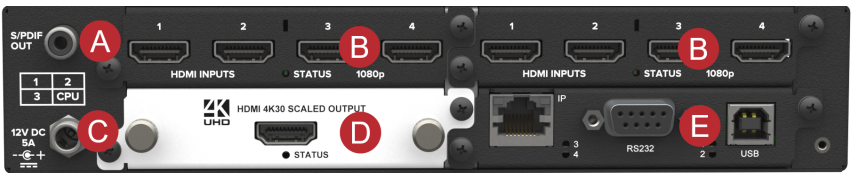
# About your CORIOview™

## Modes

CORIOview has two operating modes.

- In dynamic mode, use your CORIOview to present and share screens in a meeting or huddle room. You can connect up to eight presenters at once. Dynamic mode is also great for security monitoring.
- In classic mode, use your CORIOview to show up to eight video sources on a single display.

## CORIOview rear panel



A

S/PDIF  
audio  
output

Connect to audio device with RCA

B

Input  
module  
(black)

Connect to sources

C

Power  
supply  
input

Connect to the power supply that came with your CORIOview

D

Output  
module  
(white)

Connect to displays

**Note:** if you have more than one output port and connect two displays, they both show the same output.

E

CPU  
module

Connect to your network with Ethernet

Optional: connect to serial controller with RS-232

Optional: connect directly to a PC with Ethernet or RS-232

# About the buttons of your CORIOview™

The buttons on the front panel of your CORIOview perform different tasks depending on the mode you're operating in.

## Using the buttons of the front panel in dynamic mode

In dynamic mode, you can use the buttons of the front panel to choose an active presenter, choose how many presenters appear on your display, and choose which presenters appear. You can also cut all video to black, mute audio, lock the buttons, enter and exit standby mode, and turn on and off labels.

Presenters are sources. A presenter could be a person with a laptop, or could be a video source, for example, a camera feed.

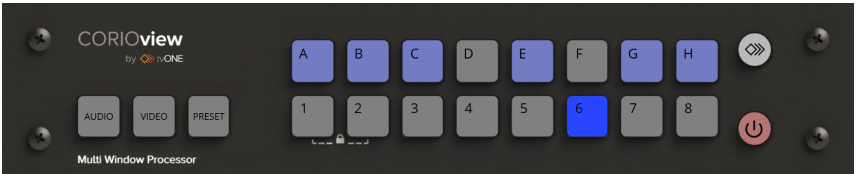
You can show multiple presenters on the same display by using either the lobby or presets. You can choose a presenter to be the active presenter. Active presenters appear in larger windows and can share audio.

## Using the lobby

When the PRESET buttons is unlit, all connected presenters appear in the lobby. The lobby changes dynamically to show all connected presenters together.



- To enter the lobby, if the PRESET button is lit, press the PRESET button, and then press 1.



In the lobby:

- The PRESET button is unlit.
- A button from 1-8 is lit to tell you how many presenters are connected.
- Buttons from A-H are lit dimly to tell you which presenters are connected.
- Your display shows all connected presenters.

## Using preset window layouts

If you want to show only specific presenters on your display, enable presets. When presets are enabled, the PRESET button is lit, and buttons 1-8 select presets.

Presets are layouts that show a specific number of windows, and specific presenters or sources.

- To enable presets, press PRESET.
- To select a preset, press a lit button from 1-8.



When PRESET is lit:

- Buttons from 1-8 are lit dimly to tell you which presets are available. The number of connections available depends on the number of input ports you have.
- A button from 1-8 is lit more brightly to tell you how many windows appear on your display.
- Buttons from A-H are lit dimly to tell you which presenters are connected.
- Your display shows the number of windows you selected.

If you haven't customized your presets, the windows fill up in alphabetical order.



## Customizing presets

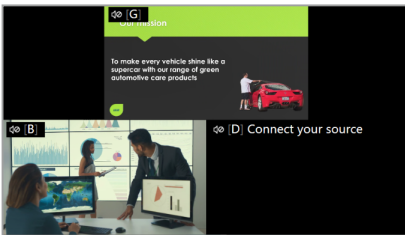
You can choose which presenters appear in which windows when you use presets. Customized presets save on your device, so they're there next time you choose that preset.

1. Press and hold the button for the preset you want to customize.

For example, if you want to customize which presenters appear in the three windows of preset 3, press and hold button 3.

2. For each window, press a button from A-H.

The presenters you chose now appear in the windows you chose, even if they're not connected.



3. To cancel during customization, press PRESET.

## Choosing an active presenter

The active presenter appears in a larger window and can share audio.

- Press a lit button from A-H to choose the active presenter. All other connected presenters appear as thumbnails below the active presenter.
- Press the button again to switch between showing the chosen



presenter full screen and with thumbnails.

- If you're using the lobby, press any number button to return to the lobby.
- If you enabled presets, press the number button for the preset you want to return to.

## Locking the buttons of the front panel

- To lock or unlock the buttons of the front panel, press and hold buttons 1 and 2.

When the front panel is locked, only buttons 1 and 2 are lit dimly.

## Window labels

You can show or hide labels that tell you which presenter appears in which window. If someone is presenting full screen, the label shows for three seconds and then hides.

- To show or hide labels, press .

## Cutting video to black and muting audio

You can cut all video to black and mute all audio.

- Press VIDEO. When VIDEO is lit, all presenters are cut to black and muted.

## Muting audio


You mute and unmute audio. Only the active presenter can share audio.

- Press AUDIO. When AUDIO is lit, all presenters are muted.

## Entering and exiting standby mode

In standby mode, your CORIOview reduces power and does not display content.

- To enter and exit standby mode, press and hold .

When your CORIOview is in standby mode, the  button is lit red and other buttons are not lit.

# Using the buttons of the front panel in classic mode

In classic mode, you can use the buttons of the front panel to load presets, choose which window to hear, change the source playing in a window, lock the buttons, enter and exit standby mode, and display information about how sources are assigned to windows.

## Preset mode

In preset mode, buttons A to H and 1 to 8 select presets.

PRESET is lit.



Buttons lit dimly	Buttons have presets assigned to them.
Button lit more brightly	The preset assigned to button 2 is active.
Unlit buttons	Buttons do not have presets assigned.

## Video mode

In video mode, buttons A to H select windows, and buttons 1 to 8 select sources.

VIDEO is lit.



Buttons lit dimly	Sources and windows are available but not active.
Buttons lit more brightly	Source 1 is playing in window A.
Unlit buttons	Buttons do not have windows or sources assigned.

## Audio mode

In audio mode, buttons 1 to 8 and A to H select sources to listen to. Both sets of buttons select the same sources, for example, you can select source 1 with button 1 or button A.

AUDIO is lit.



Buttons lit dimly

Audio is available but not active.

Buttons lit more brightly

You hear source 1 from your display and from any device connected to the S/PDIF output.

Unlit buttons

Buttons do not have windows or sources assigned.

## Locking the buttons of the front panel


- To lock or unlock the buttons of the front panel, press and hold buttons 1 and 2.

When the front panel is locked, buttons 1 and 2 are lit dimly.

## Entering and exiting standby mode

In standby mode, your CORIOview reduces power and does not display content.

- To enter and exit standby mode, press and hold .

When your CORIOview is in standby mode, the  button is lit red and other buttons are not lit.

## Viewing sources assigned to windows

You can see which sources are assigned to which windows on your display.

- To show or hide sources assigned to windows, press .

## Selecting a source for a window

To select a source for a window:

1. Press VIDEO.
2. To select a window, press a button from A to H.
3. To select a source to play in that window, press a button from 1 to 8.

## Selecting a preset

Window layouts are saved as presets. To select a preset:

1. Press PRESET.
2. Press a button from 1 to 8 or A to H.

## Selecting audio

You hear audio from your display and from any device connected to the S/PDIF output. To select a source to hear:

1. Press AUDIO.
2. Press a button from 1 to 8.

# Hardware recommendations

At tvONE, we design our products to the highest quality standards. To get the best results from our products, we recommend that you use the best quality connectors, cables, and adapters. Consider the points below when you choose accessories and position equipment.

- For best results with HDMI/DVI, use cables under 15 m long, or shorter if you use connection adapters. If you need to place your products more than 15 m apart, use a signal extender.

See our range of signal extenders at [tvone.com/signal-extension-systems](http://tvone.com/signal-extension-systems).

- For best results with HDMI, use High Speed or Premium High Speed HDMI cables.
- In industrial environments, use shielded Ethernet cables.

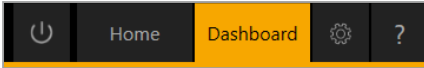
Shielded Ethernet cables are often marked F/UTP or FTP. Use shielded Cat 6 cables with HDBaseT input and output modules and Streaming media and 4K playback input modules.




- Use good quality USB 3.0 drives.

# About CORIOgrapher™

CORIOgrapher is the software that controls your CORIOview™. Depending on your operating mode, you can choose presenters and sources, customize layouts, add and edit label text, and configure system settings.

## CORIOgrapher main areas



	Enter standby mode.
Home	Home is where you connect to a CORIOview, load a configuration from a file, or create an offline configuration.
Dashboard	Dashboard is where you control the actions of your CORIOview.
	Settings is where you configure your system, network, modules, and more.
	? opens tvONE help.

## CORIOgrapher™ system requirements

CORIOgrapher:

- Works with PCs running Windows® 7 and 10
- Works with Microsoft Surface Pros and similar touch screen devices  
Full support for touch screen devices is under development
- Installs Windows .NET 4.6, if you don't have it
- Needs 600 MB of disk space during installation
- Is approximately 60 MB in size once installed

For more information, download the full user guide at  
[help.tvone.com/products/mwp-series/coriovew](https://help.tvone.com/products/mwp-series/coriovew).



## Contact us

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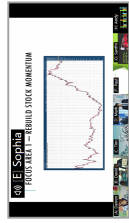


## Start a simple meeting

Presenters can connect their computers at any time. When you connect, you appear in the lobby.



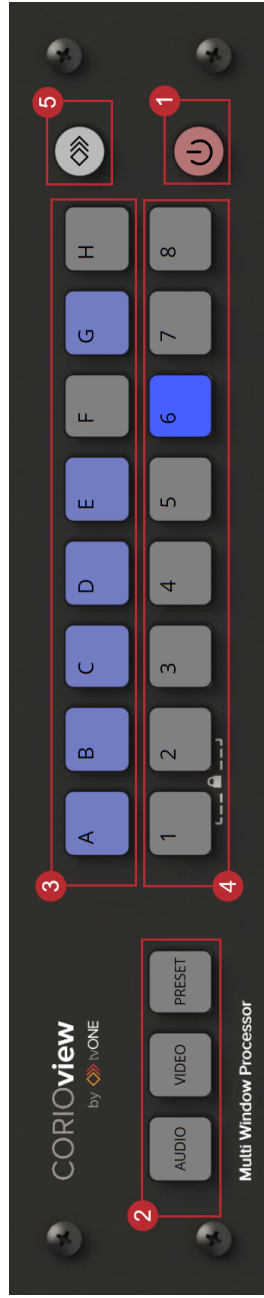
Lobby





Active presenter



Full screen presenter



1. If this button is lit red, your CORIOview is in standby mode. Press and hold  to enter active mode.
2. If any of these buttons are lit white, press them until no buttons are lit.
3. To make a presenter the active presenter, press the button for that presenter. Press it again to make the presenter full screen. Active presenters can share audio.
4. Press 1 to return to the lobby.
5. Press  to show and hide labels.