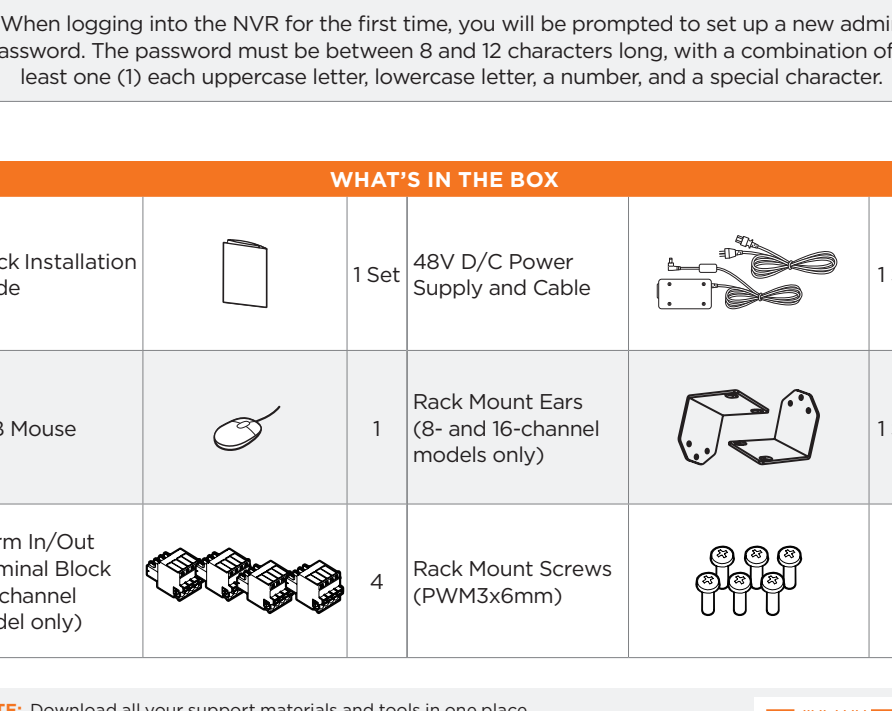


COVA™

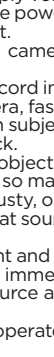
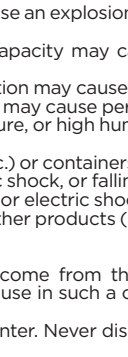
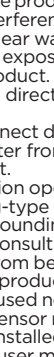
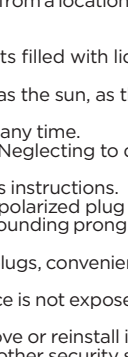
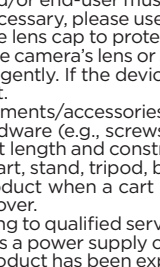
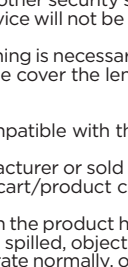
Cloud-Optimized Video Archiving

| 4-channel NVR | 8-channel NVR | 16-channel NVR |
|---------------|---------------|----------------|
| DW-COVA4 | DW-COVA8 | DW-COVA16 |



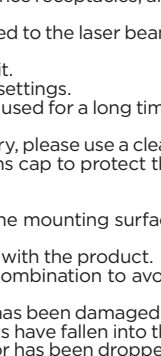
When logging into the NVR for the first time, you will be prompted to set up a new admin password. The password must be between 8 and 12 characters long, with a combination of at least one (1) each uppercase letter, lowercase letter, a number, and a special character.

WHAT'S IN THE BOX

| | | | | | |
|---|---|-------|---|---|-------|
| Quick Installation Guide |  | 1 Set | 48V D/C Power Supply and Cable |  | 1 Set |
| USB Mouse |  | 1 | Rack Mount Ears (8- and 16-channel models only) |  | 1 Set |
| Alarm In/Out Terminal Block (16-channel model only) |  | 4 | Rack Mount Screws (PWM3x6mm) |  | 6 |

NOTE: Download all your support materials and tools in one place

- Go to: <http://www.digital-watchdog.com/resources>
- Search your product by entering the part number in the "Search by Product" search bar. Results for applicable part numbers will populate automatically based on the part number you enter.
- Click "Search". All supported materials, including manuals and quick start guide (QSGs) will appear in the results.



Attention: This document is intended to serve as a quick reference for the initial set-up. It is recommended that the user read the entire instruction manual for complete and proper installation and usage.

SAFETY AND WARNING INFORMATION

Read through this Installation Guide carefully before installing the product. Keep the Installation Guide for future reference. See the user manual for more information on the product's proper installation, use and care. These instructions ensure users can use the product correctly to avoid danger or property loss. Warnings: Serious injury or death may occur if any warnings are neglected. Cautions: Injury or equipment damage may occur if any cautions are neglected.

WARNING

- When using the product, you must strictly comply with the nation's and region's electrical safety regulations. The device shall be firmly fixed when the product is mounted on a wall or ceiling.
- Be sure to use only the standard adapter specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
- Make sure the power supply voltage is correct before using the camera.
- Incorrectly connecting the power supply or replacing the battery may cause an explosion, fire, electric shock, or damage to the product.
- Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause excessive heat generation or fire.
- Securely plug the power cord into the power source. An insecure connection may cause a fire.
- When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
- Do not install in a location subject to elevated temperature, low temperature, or high humidity. Doing so may cause fire or electric shock.
- Do not place conductive objects (e.g., screwdrivers, coins, metal items, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electric shock, or falling objects.
- Do not install in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
- Do not install near any heat sources, such as radiators, heat registers, or other products (including amplifiers) that produce heat.
- Keep out of direct sunlight and heat radiation sources. It may cause a fire.
- Stop using the product immediately if any unusual smells or smoke come from the unit. Immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
- If this product does not operate normally, contact the nearest service center. Never disassemble or change this product in any way.
- When cleaning the product, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

CAUTION

- Use proper safety gear when installing and wiring the product.
- Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
- Do not use this product near water.
- The product shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the product.
- Avoid aiming the camera directly toward extremely bright objects, such as the sun, as this may damage the image sensor.
- The main plug is a disconnect device and shall remain readily operable at any time.
- Remove the power adapter from the outlet when there is lightning. Neglecting to do so may cause fire or damage to the product.
- Do not block any ventilation openings. Install following the manufacturer's instructions.
- A polarized or grounding-type plug is recommended for this product. A polarized plug has two blades, one wider than the other. A grounding-type plug has two blades and a third grounding prong. If the provided plug does not fit your outlet, consult an electrician for replacement.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and where they exit from the product.
- If any laser equipment is used near the product, ensure the sensor's surface is not exposed to the laser beam, which may damage the sensor module.
- If you want to move the installed product, turn off the power and then move or reinstall it.
- The installer and/or end-user must properly configure all passwords and other security settings.
- If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dirt.
- Do not touch the camera's lens or sensor module with your fingers. If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dirt.
- Use only attachments/accessories specified by the manufacturer.
- Always use hardware (e.g., screws, anchors, bolts, locking nuts, etc.) compatible with the mounting surface and of sufficient length and construction to ensure a secure mount.
- Use only with cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the product.
- A polarized or grounding-type plug is recommended for this product. A polarized plug has two blades, one wider than the other. A grounding-type plug has two blades and a third grounding prong. If the provided plug does not fit your outlet, consult an electrician for replacement.
- Unplug this product when a cart is used. Use caution when moving the cart/product combination to avoid injury from tip-over.
- Refer all servicing to qualified service personnel. Servicing is needed when the product has been damaged in any way, such as a power supply cord or plug is damaged, liquid has been spilled, objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

STEP 1 - CONNECTING THE NVR

- Place the NVR in its final position. See safety tips for proper installation below.
- Connect all necessary cameras, external devices and cables to the NVR.
- Connect the NVR to an appropriate power supply. The NVR will boot up automatically.

| | DW-COVA4 | DW-COVA8 | DW-COVA16 |
|--------|------------------------------------|---------------|--------------------|
| System | Power Requirements DC 48V/1.25A | DC 48V/2.5A | DC 48V/3.75A |
| | Power Consumption ≤10W | ≤10W | ≤20W |
| PoE | PoE Ports 100M RJ45 × 4 | 100M RJ45 × 8 | RJ 45 100Mbps × 16 |
| | Standards IEEE802.3AF/AT | | |
| | Max power per port 802.3AT | | |
| | Output Power ≤ 48W | ≤ 80W | ≤ 150W |




Diagram showing connections for PTZ CAMERA, IP CAMERAS*, HD MONITOR (OPTIONAL), VGA MONITOR (OPTIONAL), POWER SWITCH (8/16CH ONLY), POWER CABLE, ALARM IN/SENSOR (HIGH ONLY), USB MOUSE (OPTIONAL), and NETWORK CABLE.


NOTE:

- * The number of PoE ports in the back varies by the model.
- ** Alarm in/out available on DW-COVA16 model only.
- *** Power switch is available on the 8- and 16-channel models only. 4-channel model powers up automatically.
- **** Both video outputs cannot be used at the same time for dual monitoring.


SAFETY TIPS



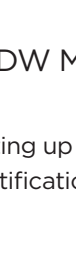
Do not expose the unit to direct sunlight.




Place the unit in a dust and moisture-free environment.



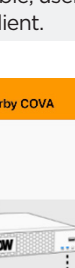
Do not press any button or turn the unit off during the boot-up process.




Allow at least 3" (7.6cm) of clearance around the ventilation openings.



A max ambient temperature of 104°F (40°C) is recommended.




A UPS (Uninterrupted Power Supply) is recommended.



IMPORTANT!! HAVE YOUR MYDW ACCOUNT READY BEFORE PROCEEDING.

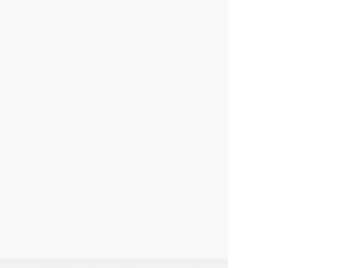

A myDW account is required to complete the set up of your unit. If you do not have a myDW account, or need help resetting your password, contact your DW sales representative.

[LOGIN TO MYDW HERE.](#)

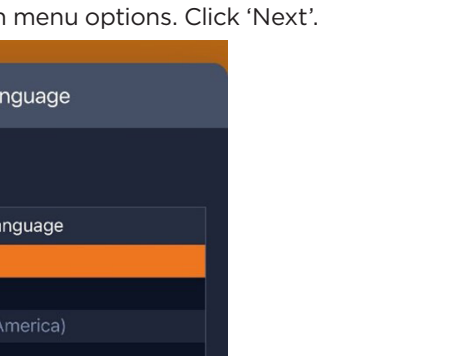
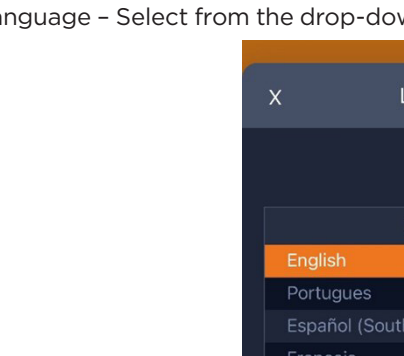


STEP 2 - DOWNLOAD THE DW MOBILE PLUS APP

- Complete the myDW registration and setup wizard via the DW Mobile Plus app.



- In the app, log in using your myDW username and password.



- Click on the menu button and select 'quick Setup COVA'.


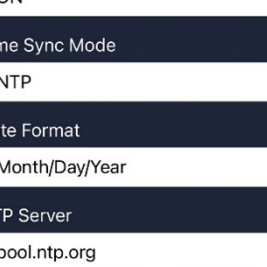

STEP 3 - STARTUP WIZARD (VIA DW MOBILE PLUS APP)

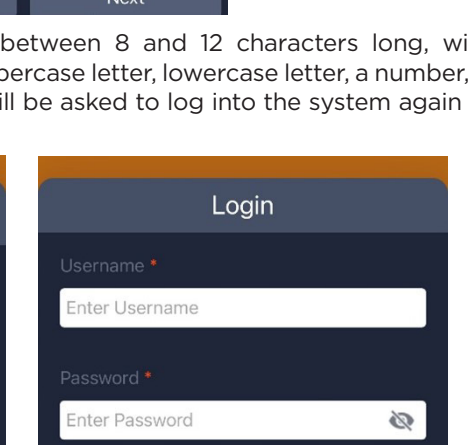
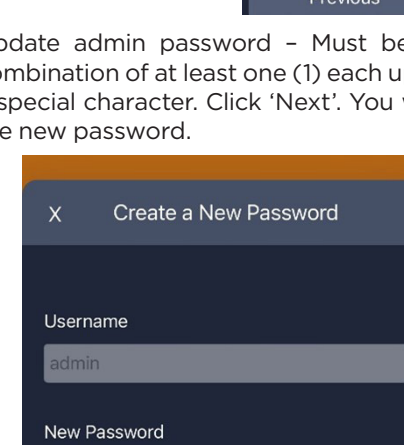
The Setup wizard assists admin users in setting up the unit's critical settings.

All other settings, such as recording and notifications, can be done remotely from the unit's web client or myDW dashboard.

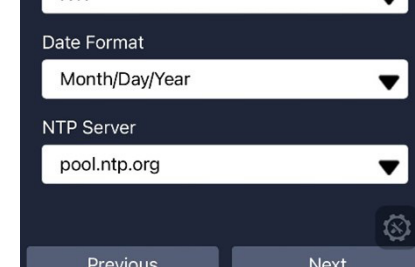
- Follow the instructions in the app to find and connect to your COVA NVR.

IMPORTANT: The NVR must be connected to a wireless network for the DW Mobile Plus app wizard. If no WiFi network is available, users can complete the setup wizard locally at the NVR or via the web client.

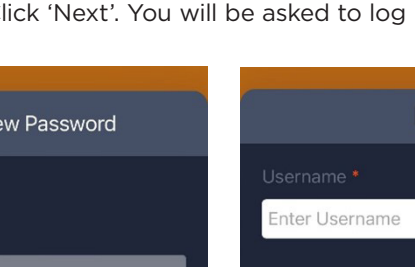




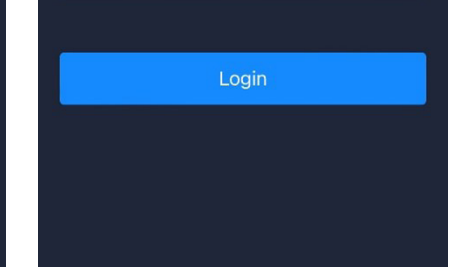
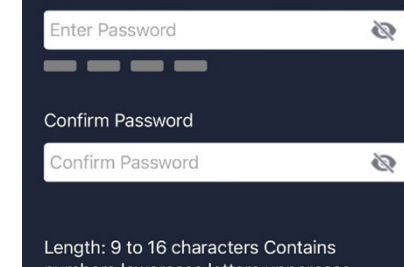
- Language - Select from the drop-down menu options. Click 'Next'.



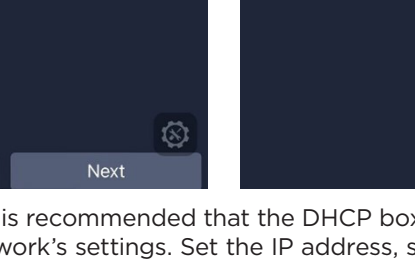
- Time Settings - Select the unit's timezone, date and time. Set the NVR to sync its time automatically with an external NTP server. Click 'Next'.



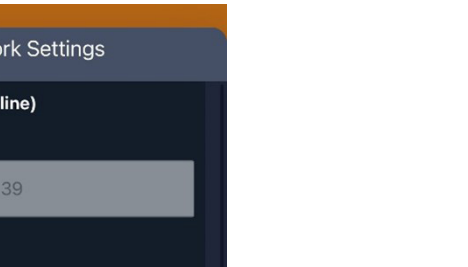
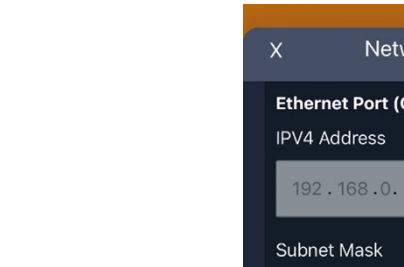
- Update admin password - Must be between 8 and 12 characters long, with a combination of at least one (1) each uppercase letter, lowercase letter, a number, and a special character. Click 'Next'. You will be asked to log into the system again with the new password.



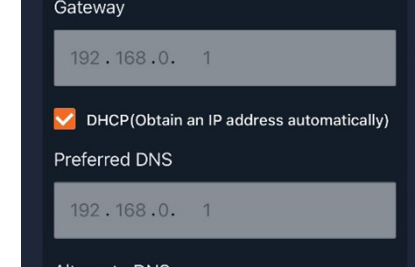
- Network Settings - It is recommended that the DHCP box be checked and the NVR auto-detects the network's settings. Set the IP address, subnet mask and mode for the internal Ethernet ports. These settings apply to the PoE ports for the IP cameras. Adjust the unit's port as required. Contact your Network Administrator for additional information. Click 'Next'.

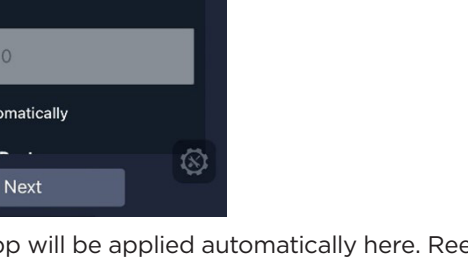
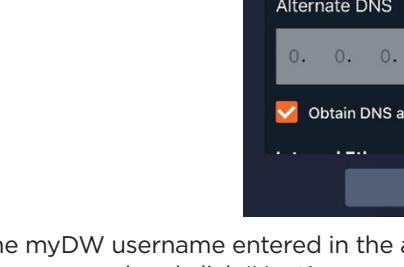


- The myDW username entered in the app will be applied automatically here. Reenter the password and click 'Next'.

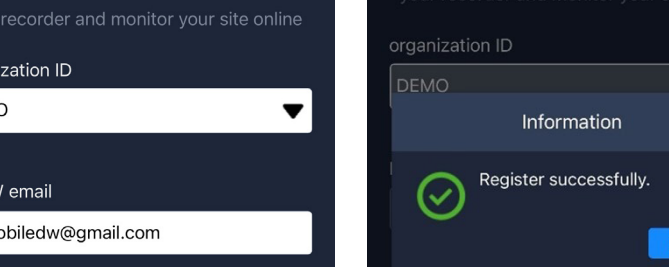


- Camera Management - All cameras connected directly to the unit (recommended) will appear on the 'Camera Added' tab. You can also manually scan the network and add cameras in the 'Cameras Detected' tab. Check the box next to the cameras you want to add to your recorder. Enter the admin password for the cameras and click the 'Add/Selected' button. Registered cameras will appear at the 'Cameras Added'. Click 'Finish'.





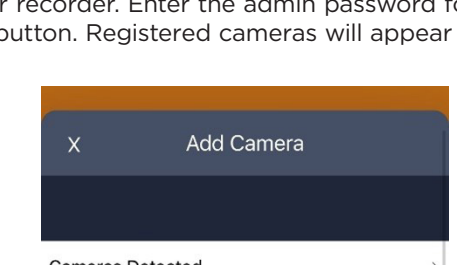
- Once the setup wizard is complete, tap the 'X' button on the top left to view your new device and all devices in the 'Device List'.



HOW TO ACCESS COVA FROM MYDW

All settings, including recording and notifications, can be set from the myDW dashboard.

- Log in to your myDW dashboard on any browser.



- Your NVR and all other registered devices will appear under the 'Recorders List' tab. See the NVR's user manual and myDW help videos to learn more about getting the most out of your recorder.



