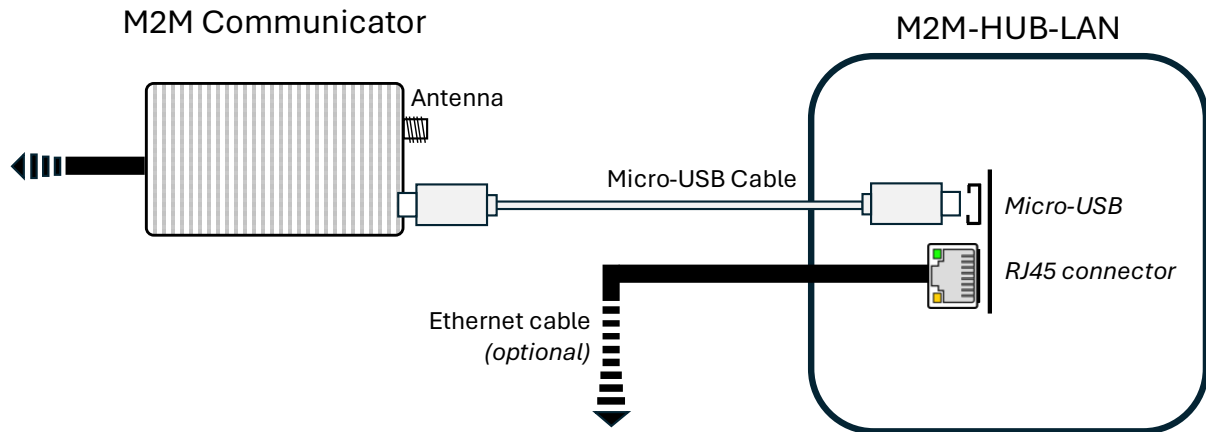


Wiring Diagram



Installation instructions

1. Connect the M2M cellular communicator according to the instructions of the specific alarm panel you are using.
2. Download the **RControl Admin** app from Google Play Store / Apple App Store. Log in to the app using the installer credentials provided.
3. To pair the hub with the communicator, first you need to search for the M2M communicator device connected to the hub by pressing the menu button of the app and enter the serial number of the communicator and press the **search button** in the upper right corner and select the device.
4. Once you have selected your device, you need to access the **Settings** page of the app and press **Hub Settings** menu.

Note: By default, an M2M unit should automatically recognize the hub.

If an M2M unit has an older firmware version, it must be updated to a newer one to recognize the hub.

Manually pair the hub and update the firmware.

1. Go to **Settings > Hub Settings > Add Hub** button.
2. Scan the QR code printed on the back of the hub.

Once you have successfully paired the hub, you should be able to view **Status, MAC, Hardware version** and **Software version** in the Hub Settings menu.

Note: At this point, the hub is paired with the device, but it will not work until you update the M2M communicator to the latest firmware version.

An **Update required** message will appear on the top of the screen.

3. Press the **Update** button located under the **UPDATE REQUIRED** message.
4. Wait for the update process to complete and for the device to restart.

NOTE: The Hub LED will be solid red during the update process and will change to solid blue when the update is complete.

5. Connect the hub to the M2M cellular communicator via micro-USB cable and power on the M2M communicator.

Note: Only use the micro-USB cable provided with the hub!

The M2M Hub does not require an external power source as it is powered by the communicator.

Network Settings

Once properly installed and configured, the hub allows Internet connectivity via Wi-Fi or LAN*.

* Only for M2M-HUB-LAN version.

To connect the hub to the Internet, select the **Settings** tab in the app and click **Network Settings**.

Enable Wi-Fi

To connect the hub via Wi-Fi, select the **Enable WiFi** checkbox, and then set your wireless network by one of the two possible ways:

Option 1: Click the **Search** button and wait for the device to list the available Wi-Fi networks. Click the desired Wi-Fi network, enter the password, click the **Connect** button and then the **Save Settings** button.

Option 2: Manually enter the **SSID** and **Password** for the desired Wi-Fi network and click the **Save Settings** button.

Enable LAN

To enable connection over LAN, you need to check the **Enable LAN** checkbox and click the **Save Settings** button. If you do not need Wi-Fi connection, you can disable it by unchecking the **Enable WiFi** checkbox.

Note:

If both LAN and Wi-Fi connections are enabled and active at the same time, the device will use LAN as a priority. If the LAN connection is lost for any reason, the device will switch to Wi-Fi.

Custom IP address

Wi-Fi and LAN network settings can be set to obtain an IP address automatically or manually.

If you need to set a custom IP address, go to **Settings > Network Settings**. Switch the dropdown menu from **Obtain an IP address automatically** to **Use the following IP address**. You must enter a custom **IP Address**, **Netmask** and **Gateway**.

Click the **Save Settings** button.

Camera Settings

Connecting a camera to the hub is an optional feature which allows end users to stream video on demand, take manual snapshots and set event triggers for pre and post event verification.

Camera requirements:

- The camera must support **ONVIF** protocol to work with the hub.
- Camera must be connected to **the same network** as the hub (*Check Network Settings section of this manual to see how to connect the hub to the Internet*).

Camera Configuration

1. From the **Settings** page of the app click **Camera Settings**:
 2. Under **Nearby ONVIF Cameras** section you can see a list of all the available ONVIF cameras connected to the same network.
 3. Select the desired camera and enter User and Password for the camera and press the **CONNECT** button.
- Once added, the camera should now be listed under the **My Cameras** section.

In the **RControl** Client app you can **stream on demand**, **snapshot on demand**, and view **trigger events** with snapshots. Download the **RControl** app from Google Play Store or Apple Store and log in using the credentials provided with the communicator.

Note: Up to 256 cameras can be added to a device.

- Up to 3 cameras can be used simultaneously for pre / post verification snapshots, and
- Up to 253 cameras can be used simultaneously for post verification snapshots

Streaming On Demand

To stream video in real time you need to click the green **Play** button under the **My Camera** section in the **Favorites** tab.

Snapshot On Demand

You can take a snapshot at any time by accessing the **My Camera** menu.

In the My Camera menu, a camera button appears that you can click to take a snapshot.

Triggers configuration (for optional snapshot verification feature)

The hub allows pre-post verification of alarm events transmitted through the M2M communicator. When such an event is sent to the device's event log, customers can set up a camera to take a series of snapshots. Any type of event can trigger the creation of a snapshot (alarms, trouble, info, etc.).

A custom CID code can also be set as a trigger.

To register triggers, select the camera and click **Triggers** located at the bottom of the screen. Then click the "+" button in the upper right corner of the screen.

- **Trigger type:**

Alarm, Perimeter Alarm, Panic, Medical, Arm, Disarm, Arm by User, Disarm by User, Custom CID

- **Event/Restore**
 - If the **Event** option is selected, you will receive one event with snapshots only when a specific event occurs.
 - If the **Restore** option is selected, snapshots are sent only when a restore occurs.
 - If the **Both** option is selected, you will receive two events with eleven snapshots each – one for the **event** and another one for the **restore**.
- **Zone** – trigger a snapshot for a particular zone. If you leave it empty you will get snapshot verification from any zone number.

When all fields (Trigger type, Event/Restore, and Zone) are set, click the **Save Settings** button.

View Trigger Events

In the **RControl Client app** you can view the trigger events either just below the camera view, as a list, or in the **Event log** page of the app. On the right of each event you will notice a camera icon that indicates camera events. Click the event to see the snapshots.

Edit or delete triggers

Once you've set at least one trigger, you can re-enter the **Triggers** menu in the **RControl Admin** app: **Settings tab > Camera Settings** to delete the current trigger or to set another type of trigger if needed.

Snapshot count

For each event that occurs, the app will always take a total of eleven snapshots. By default, there will be 5 photos taken before the event, 5 photos taken after, and 1 photo at the exact time of the event. You can set the Snapshot count by sliding the **Pre alarm / Post alarm** slider.

Note: If event triggers are already set for three cameras, you can only set 10 post verification snapshots for the next cameras added.