

HRGX App for Android Devices

User Guide

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1

Introduction

Overview

Honeywell's HRGX mobile app lets you remotely monitor, search, play back video, and control PTZ cameras, from an embedded HRGX DVR via a wireless network connection.

With this app installed on your Android mobile device, you can log on to the front-end DVR or camera using WiFi or 3G. If no public IP address is available, the device can be accessed by using a dynamic domain name (host name) or by forwarding ports to the public IP of the router.

Note Carrier data rates may apply when using this software. Contact your carrier for information about data plan rates.

Mobile Device Requirements


The HRGX mobile app for Android can be installed on devices running Android OS version 2.3.3 or higher.

(The HRGX mobile app is also available for Apple mobile devices. See the HRGX product page for details.)

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Installing the HRGX App

To install the app

1. Search for "HRGX" in the Google Play store.
2. Download and install the HRGX app on your mobile device.
3. Tap the HRGX app icon  to start the app.

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Running the HRGX App

Getting Started


To start the app

- Tap the HRGX app icon .

The first time you start the app, a tutorial loads by default, providing basic instructions for using the app:

- Swipe left/right to go to the next/previous screen.
- Rotate the device to enter full-screen mode.
- Drag the **Live View** window to the trashcan icon to stop playing video.


To display the main menu

- Tap the menu button  in the upper left corner of the screen.

The main menu consists of the following options:

Live View	Opens the Live View interface for viewing live video, controlling PTZ cameras, and managing alarm outputs.
Remote Playback	Opens the Remote Playback interface for playing back recorded video files.
Devices	Opens the Device Manager interface for viewing and managing devices.
Picture & Video	Opens the Picture and Video Management interface for viewing and managing local video files and pictures.
Configuration	Opens the Configuration interface for setting password protection, viewing Help, configuring software updates, and checking the software version.



To select a camera for viewing

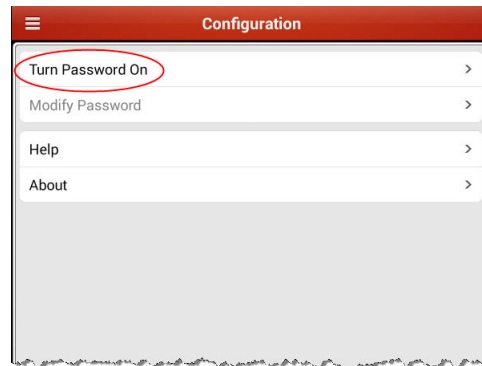
- Tap the camera list button  in the upper right corner of the screen.

Managing Passwords

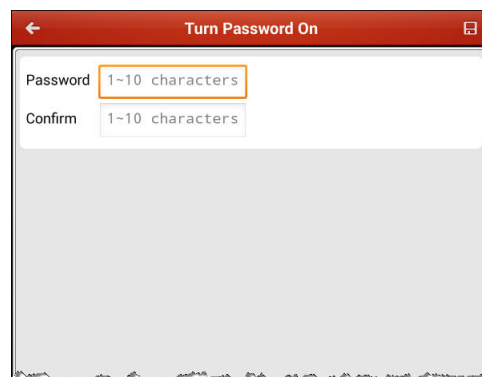
Password protection prevents unauthorized persons from accessing the HRGX app on your device.


To enable password protection

1. On the **Live View** screen, tap the menu button  to display the main menu.
2. Tap **Configuration** .
3. Tap **Turn Password On**.





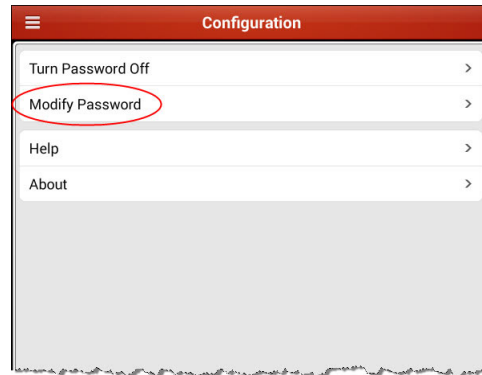
4. In the **Password** field, enter a password (1–10 alphanumeric characters, case-sensitive).



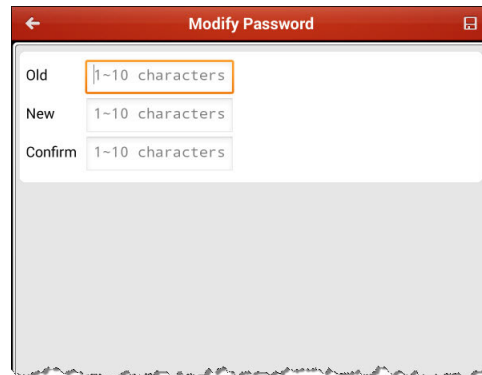
5. In the **Confirm** field, re-enter the password.
6. Tap the **Save** button  in the upper right corner of the screen to save your settings.


To modify your password

1. On the **Live View** screen, tap the menu button  to display the main menu.
2. Tap **Configuration** .
3. Tap **Modify Password**.





4. In the **Old** field, enter your old password (1–10 alphanumeric characters, case-sensitive).



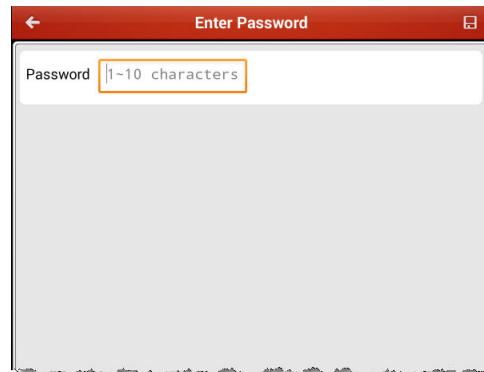
5. In the **New** field, enter your new password (1–10 alphanumeric characters, case-sensitive).
6. In the **Confirm** field, re-enter your new password.
7. Tap the **Save** button  in the upper right corner of the screen to save your settings.

To disable password protection

1. On the **Live View** screen, tap the menu button  to display the main menu.
2. Tap **Configuration** .
3. Tap **Turn Password Off**.



4. In the **Password** field, enter your password.



5. Tap the **Save** button  in the upper right corner of the screen to save your settings.



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Managing Devices


Adding a Device

To remotely view video from a DVR or network camera, or to remotely control a network PTZ camera, you must add a device.

To add a device

1. On the main menu, tap **Devices** .
2. In the Device Manager interface, tap  to add a new device.
3. In the **Alias** field, enter a name for the device.
4. Tap **Register Mode**, and then select **hrgDDNS**, **IP/Domain**, or **IP Server**.
5. Configure the following settings:


hrgDDNS	IP/Domain	IP Server
<ol style="list-style-type: none">1. In the Server address field, enter the hrgDDNS server address.2. In the Device domain field, enter the device domain name registered on the hrgDDNS server.	<ol style="list-style-type: none">1. In the Address field, enter the IP address or domain address of the device.2. In the Port field, enter the port number of the device. The default port number is 8000.	<ol style="list-style-type: none">1. In the Server address field, enter the IP server address.2. In the Identifier field, enter the device identifier (the device name or serial number).

6. In the **User Name** field, enter the device login user name. The default user name is **admin**.
7. In the **Password** field, enter the device login password. The default password is **12345**.
8. Tap the **Save** button  in the upper right corner of the screen to save your settings.



Editing a Device's Settings

You can edit the settings of a device that you have added.

To edit a device's settings

1. On the main menu, tap **Devices** .
2. In the Device Manager interface, tap the device that you want to edit.




3. Tap the edit button  in the upper right corner of the screen.
4. You can edit any of the following settings:
 - **Alias**
 - **Register Mode**
 - **Server address**
 - **Address**
 - **Device domain**
 - **Port**
 - **Identifier**
 - **User Name**
 - **Password**
5. Tap the **Save** button  in the upper right corner of the screen to save your settings.

Deleting a Device

You can delete a device that you have added.

To delete a device

1. On the main menu, tap **Devices** .
2. In the Device Manager interface, tap and hold the device that you want to delete.



3. The following message appears on the screen:



Tap **Confirm** to delete the device.



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Viewing Live Video

After the device is successfully added, you can view live video from the device, and, if supported, enable or disable the alarm output and control PTZ movement.










Starting Live View

To start viewing live video

- On the main menu, tap **Live View** , tap the camera list button , and then select the device that you want to view. To only view certain cameras, tap the device to display the list of cameras, and then select the camera(s) you want to view.
- Alternatively, in the Device Manager interface, tap the device that you want to view, and then tap **Start live view**.

By default, the Live View interface shows four channels at once. Swipe left or right to view the remaining channels. To show only one channel in the interface, double-tap the channel you want to view. Double-tap the channel again to return to the default configuration. To enter full-screen mode, rotate your mobile device ninety degrees.


The Live View toolbar, located at the bottom of the screen, contains the following buttons:

Button	Description	Button	Description
	Capture		Mute/Audio on
	Record		Start/Stop two-way audio
	PTZ control		Enable/Disable alarm outputs
	Image settings		Digital zoom
	Stop all live view		



In normal mode, only five buttons are visible at a time. Swipe the toolbar to display the remaining buttons. In full-screen mode, the toolbar disappears after a few seconds. Tap the screen to bring it back. If you want, you can drag the toolbar to reposition it.

Stopping Live View

To stop viewing live video from all cameras


- On the Live View toolbar, tap the **Stop all live view** button .

To stop viewing live video from a specific camera

- Drag the channel to the top of the screen, and then drop it into the trashcan when trashcan icon changes from green  to red .

Capturing Still Images


To save a still image to your mobile device

- Tap the channel that you want to save the image from to make it the active window, and then, on the Live View toolbar, tap the **Capture** button . The saving path is displayed on the screen.

By default, the file is saved in the **HRGX** directory in the **capture** folder. You can access the file in the Picture & Video interface. See [Managing Pictures and Video on page 23](#).

Recording Video

To start recording a video clip

- Tap the channel that you want to record to make it the active window, and then, on the Live View toolbar, tap the **Record** button . The icon changes to red and a red dot appears in the upper left corner of the window.

To stop recording a video clip

- Tap the **Record** button again.


By default, the file is saved in the **HRGX** directory in the **record** folder. You can access the file in the Picture & Video interface. See [Managing Pictures and Video on page 23](#).

Controlling PTZ Cameras

In PTZ control mode, you can:

- move the camera left or right, up or down
- start/stop the auto-scan
- zoom in or out
- increase or decrease the focus
- increase or decrease the iris
- set presets
- call presets

To control a PTZ camera


- Tap the channel that you want to control to make it the active window, and then, on the Live View toolbar, tap the **PTZ control** button . The icon changes to red and the PTZ controls are displayed directly over the toolbar.



To move the camera left or right, up or down

- Swipe your finger across the screen in the direction you want the camera to move.


To zoom in or out

- Pinch your fingers together or spread them apart while touching the screen.
- Alternatively, tap , and then tap + or –.


To start/stop the auto-scan

- Tap .


To increase or decrease focus

- Tap , and then tap + or –.


To increase or decrease iris

- Tap , and the tap + or –.

To set a preset


- Move the camera to the position you want to set as a preset, tap , enter a preset number, and then tap **Set**.

To call a preset

- Tap , enter the preset you want to call, and then tap **Call**.

Setting Image Quality

To change a channel's image quality settings

- Tap the channel to make it the active window and then, on the Live View toolbar, tap the **Image quality** button . The icon changes to red and four image quality setting options are displayed directly over the toolbar.

You can select one of the predefined settings (**Clear**, **Balanced**, or **Fluent**) or create your own custom setting.




Note Changing the image quality settings will change the recording file size.

To customize a channel's image quality settings




1. Tap **Custom**.
2. Configure the following parameters:
 - **Stream Type**: Select **Main Stream** or **Sub Stream**.
 - **Resolution**: Select **QCIF** (lowest quality), **CIF**, **2CIF**, **4CIF**, or **WD1** (highest quality).
 - **Frame Rate**: Select a value between **1/16** and **25/30** fps.
 - **Bitrate**: Select a value between **32K** and **3072K**.
3. Tap **Confirm** to save your settings.

Configuring Alarm Outputs

To enable alarm outputs


1. Tap the channel to make it the active window and then, on the Live View toolbar, tap the **Enable alarm outputs** button . The icon changes to red and the alarm output control panel is displayed directly over the toolbar.
2. On the alarm output control panel, tap the alarm output(s) you want to enable. The alarm output is enabled when the icon changes from  to .

To disable alarm outputs

- On the alarm output control panel, tap the alarm output(s) you want to disable. The alarm output is disabled when the icon changes from  to .
- To disable all alarm outputs, on the Live View toolbar, tap the **Disable alarm outputs** button .

Configuring Digital Zoom


To enable digital zoom

- Tap the channel to make it the active window and then, on the Live View toolbar, tap the **Digital zoom** button . The icon changes to red and the selected channel expands to fill the screen.

To zoom in or out

- Pinch your fingers together or spread them apart while touching the screen.

To disable digital zoom

- On the Live View toolbar, tap the **Digital zoom** button .



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Playing Back Recorded Video

You can remotely search for and play back recorded video from an added device.

Starting Playback

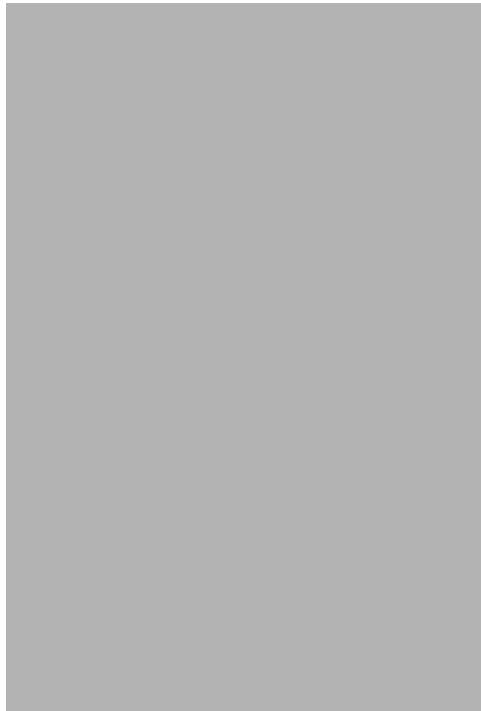
To start playing back video

1. On the main menu, tap **Remote Playback** . The Remote Playback interface opens.
2. In the Remote Playback interface, tap the camera list button .
3. Define the playback start time and end time:
 - a. Tap the top calendar icon and select the start time.



- b. Tap the bottom calendar icon and select the end time.

4. Tap the device, and then the camera, that you want to play back video from, and then tap **Start playback**.









5. Swipe left or right on the timeline bar to adjust the playback position.



Remote Playback Toolbar




The Remote Playback toolbar, located at the bottom of the screen, contains the following buttons:

Button	Description	Button	Description
	Capture		Mute/Audio on
	Clip		Stop playback
	Pause/Play		Digital zoom

In full-screen mode, you can drag the toolbar to reposition it on the screen.


Stopping Playback

To stop playback

- On the Remote Playback toolbar, tap the **Stop playback** button .
- Alternatively, tap and hold the playback window, and then drag it to the top of the screen. Drop it into the trashcan when trashcan icon changes from  to .

Capturing Images


To save a still image during playback

- On the Remote Playback toolbar, tap the **Capture** button . The saving path is displayed on the screen.

By default, the file is saved in the **HRGX** directory in the **capture** folder. You can access the file in the Picture & Video interface. See [Managing Pictures and Video on page 23](#).

Creating a Clip

To start saving a video clip during playback

- On the Remote Playback toolbar, tap the **Clip** button . The icon changes to red and a red dot appears in the upper left corner of the window.


To stop saving a video clip during playback

- On the Remote Playback toolbar, tap the **Clip** button  again.

By default, the file is saved in the **HRGX** directory in the **record** folder. You can access the file in the Picture & Video interface. See [Managing Pictures and Video on page 23](#).

Configuring Digital Zoom

To enable digital zoom during playback

1. On the Remote Playback toolbar, tap the **Digital zoom** button .
2. Pinch your fingers together, while touching the screen, to zoom in, or spread them apart to zoom out.




7

Managing Favorites

You can create a customized list of frequently used cameras ("favorites") for quick access.



Creating Favorites

To create a favorites group

1. On the main menu, tap **Live View** , and then tap the camera list button  to display the camera list.
2. In the camera list, select the camera(s) you want to designate as favorites, and then tap the star button  in the bottom right corner of the screen.
3. In the **Favorites Name** box, enter a name for the group, and then tap **Confirm** to save your settings. The favorites group is added to the camera list.



Removing Cameras from Favorites

To remove a camera as a favorite

1. On the main menu, tap **Live View** , and then tap the camera list button  to display the camera list.
2. In the camera list, tap the favorites group you want to remove a camera from, and then tap the camera you want to remove to deselect it.

Deleting Favorites

To delete a favorites group

1. On the main menu, tap **Live View** , and then tap the camera list button  to display the camera list.
2. In the camera list, tap and hold the favorites group you want to delete.
3. You are prompted to confirm the deletion. Tap **Confirm** to delete the group.

8

Managing Pictures and Video

In the Picture and Video Management interface you can view and manage still images and video that were captured and recorded during Live View and Remote Playback.

Saved pictures and videos are stored locally in the **HRGX** directory. Image files are located in the **capture** folder and video files are located in the **record** folder.

Viewing Saved Pictures and Video

To view a picture or video



1. On the main menu, tap **Picture & Video** . The Picture & Video interface opens.





2. Tap the picture or video you want to view. To play a video, tap the play button in the center of the screen.

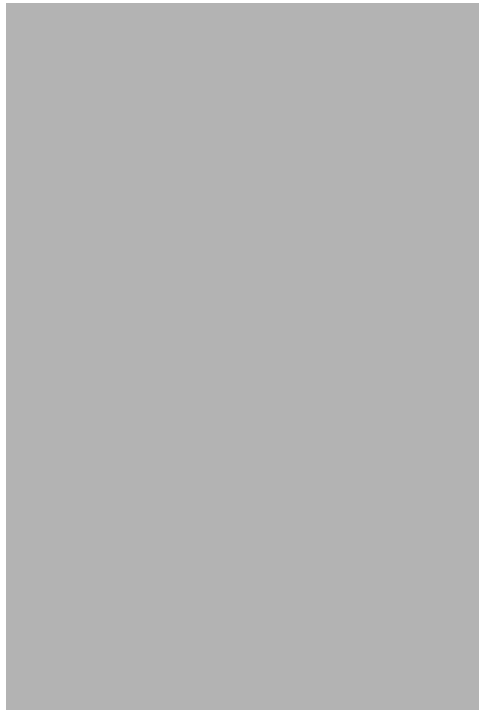
Deleting Saved Pictures and Video


To delete a picture or video

1. On the main menu, tap **Picture & Video** .
2. Tap the picture or video you want to delete, and then tap the trashcan icon  at the bottom of the screen.

To batch delete pictures and videos

1. On the main menu, tap **Picture & Video** .
2. Tap the edit button  in the upper right corner of the screen.
3. Tap the picture(s)/video(s) you want to delete. A check mark appears on each file marked for deletion.



4. Tap the trashcan icon  at the bottom of the screen to delete the selected file(s).
5. You are prompted to confirm the deletion. Tap **Confirm** to delete the selected file(s).

9

Troubleshooting

What kinds of devices are compatible with this app?

Devices that adopt H.264, MPEG4, or MJPEG video compression are compatible with this app.

I see a 'login failed' error message when I try to access a device via WiFi.

Check whether the WiFi parameters are configured properly on your mobile device.

After starting to view live video, the video does not run smoothly and my mobile device is noticeably slower.

Try viewing less cameras at the same time, or decrease the frame rate and resolution (see [Setting Image Quality, page 15](#)).

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