

mydlink Portal/ Local Recording

UI Specs

V 2.6.x

Aug 12, 2015

Written by Jerry Huang

Prototype:

<http://10.32.19.100/MyWeb/test/jerry/localrecording/>

<https://dl.dropboxusercontent.com/u/75346606/localrecording/index.html>



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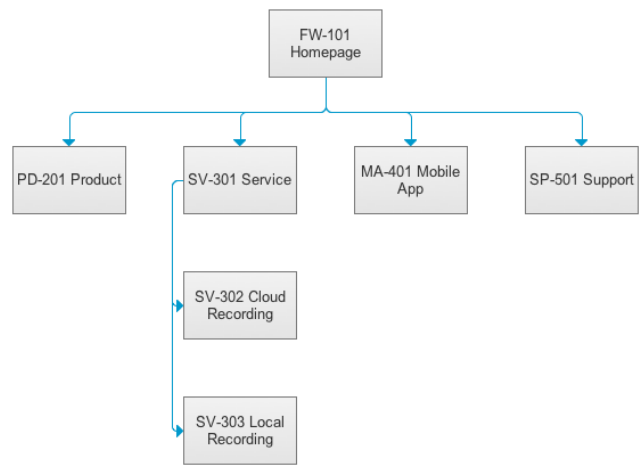
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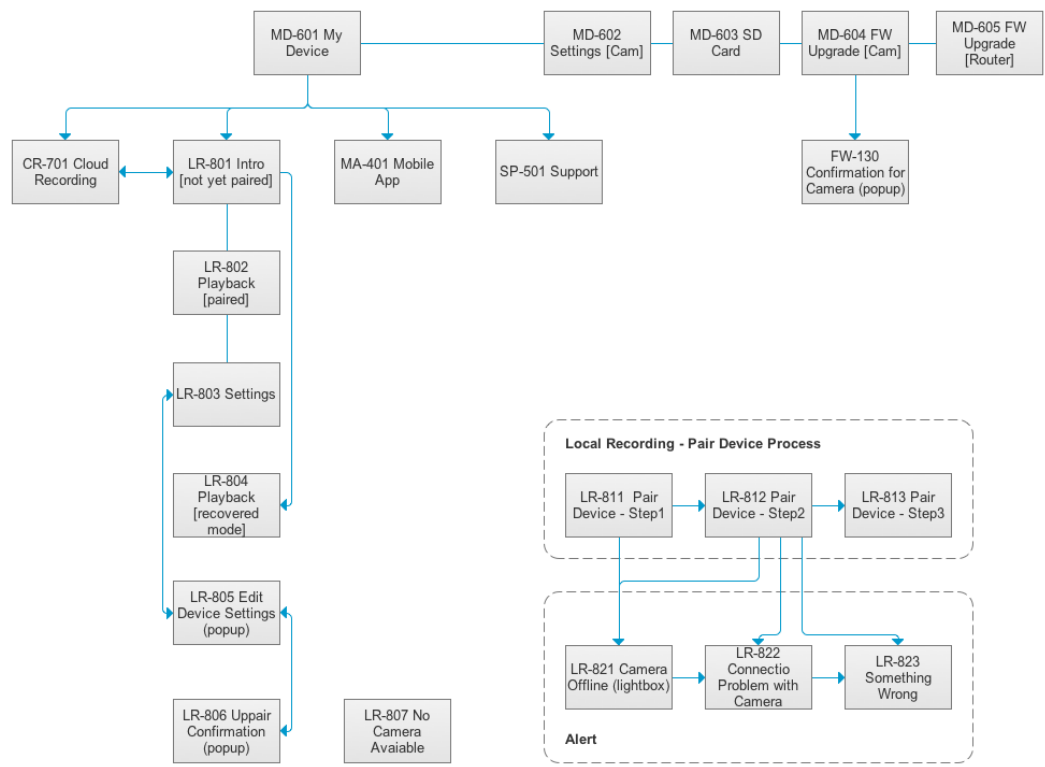
1 LOCAL RECORDING

1.1 INFORMATION ARCHITECTURE:

1.1.1 NOT LOGGED IN

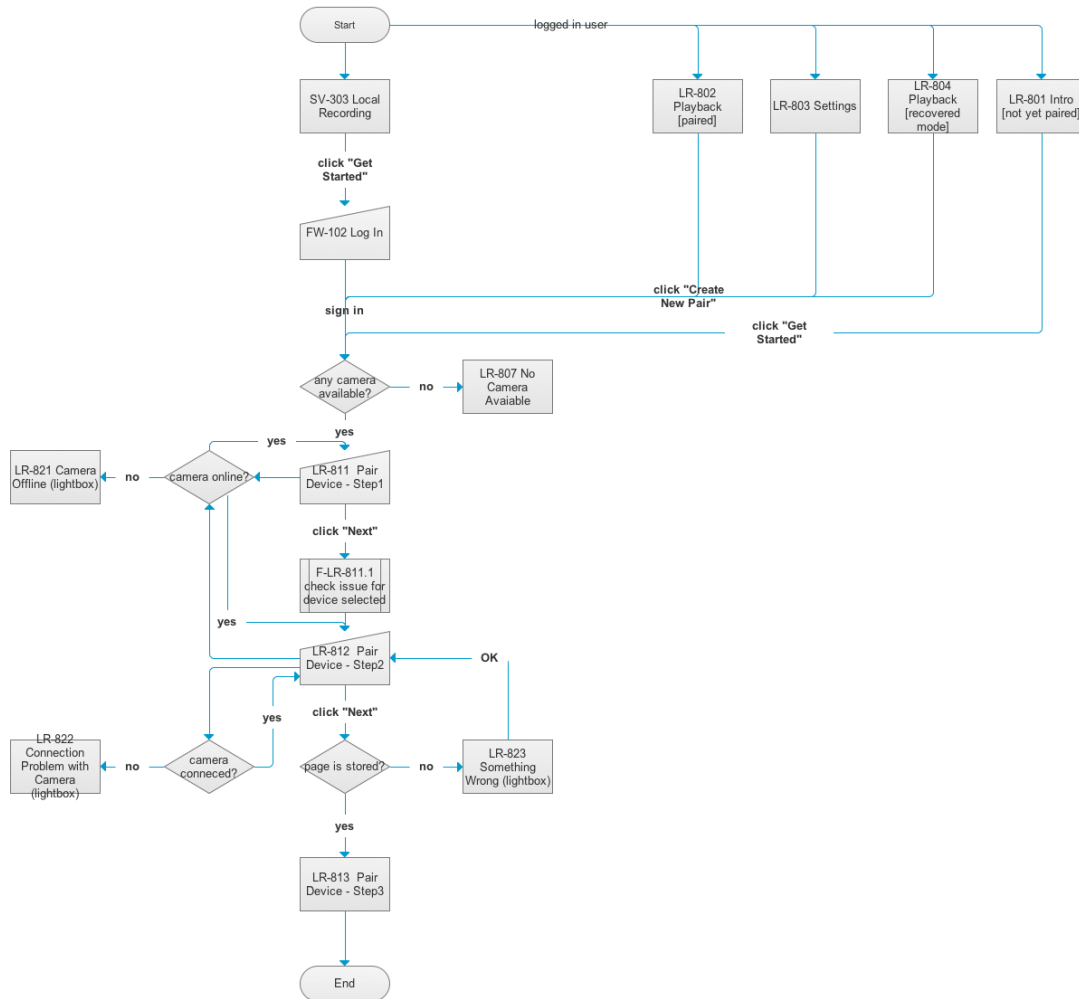


1.1.2 LOGGED IN

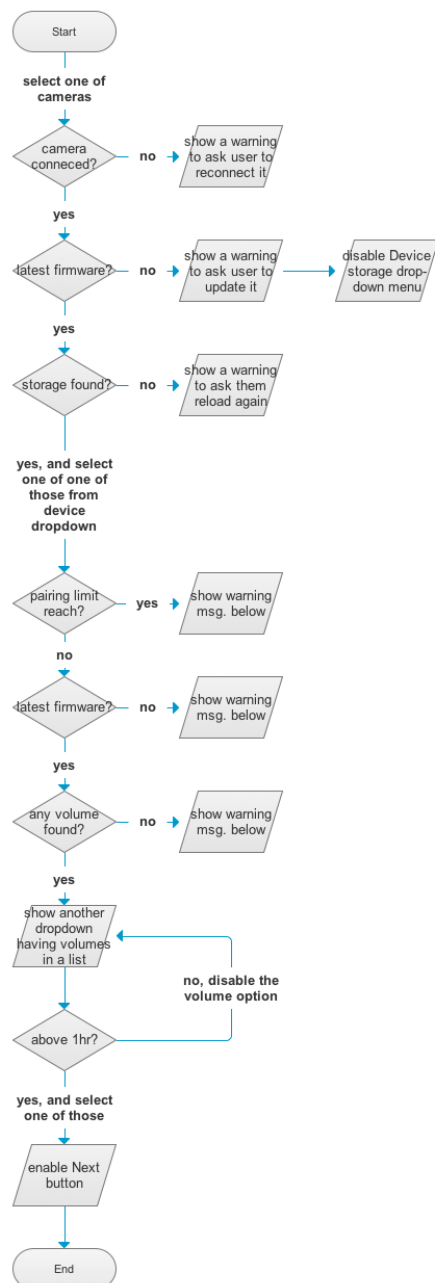


1.2 TASK FLOW:

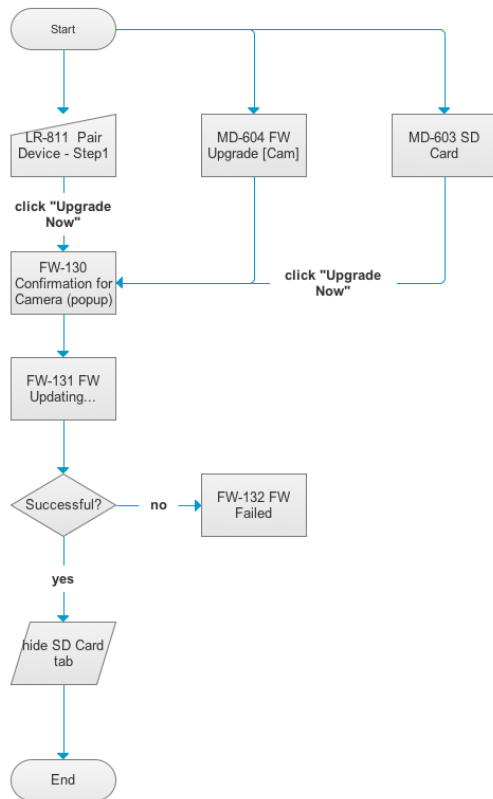
1.2.1 C002: GET STARTED WITH LOCAL RECORDING



1.2.2 F-LR-811.1 CHECK ISSUE FOR DEVICE SELECTED

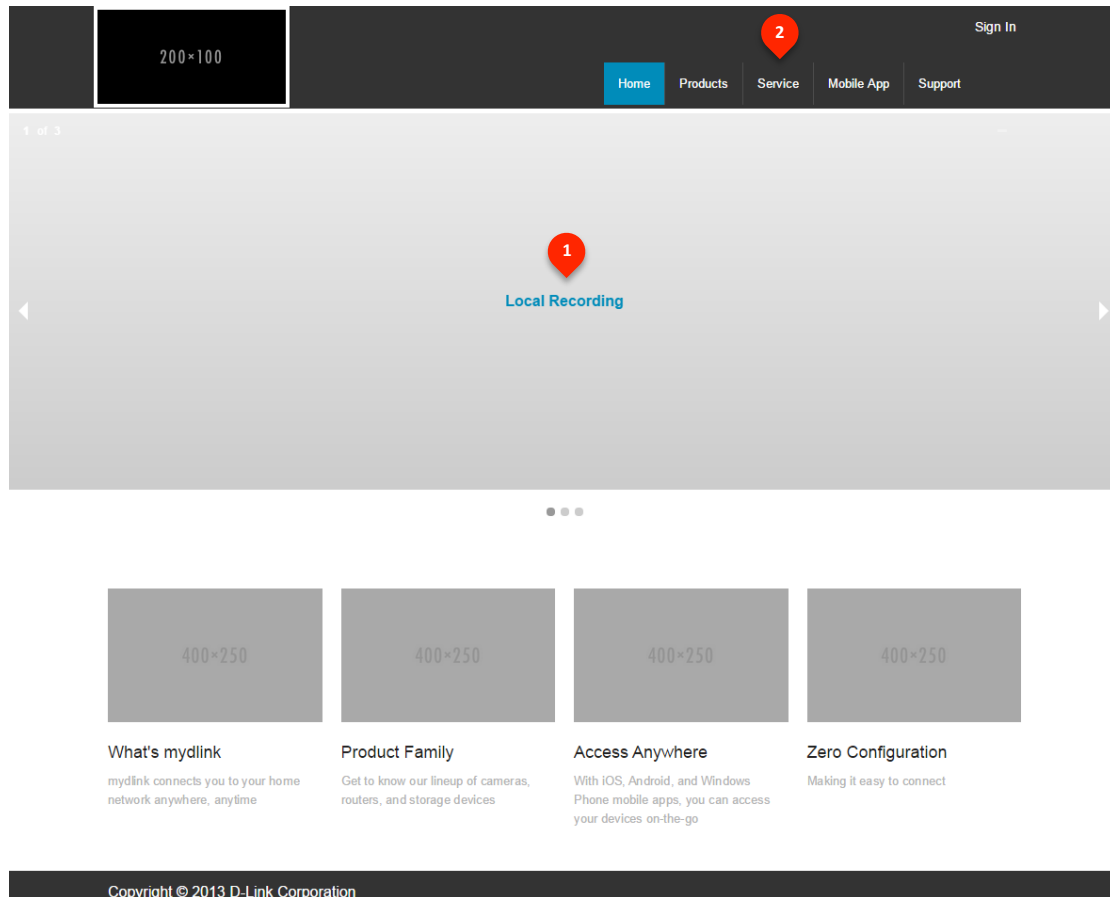


1.2.3 C003: UPGRADE FIRMWARE FOR CAMERA



1.3 USER INTERFACE:

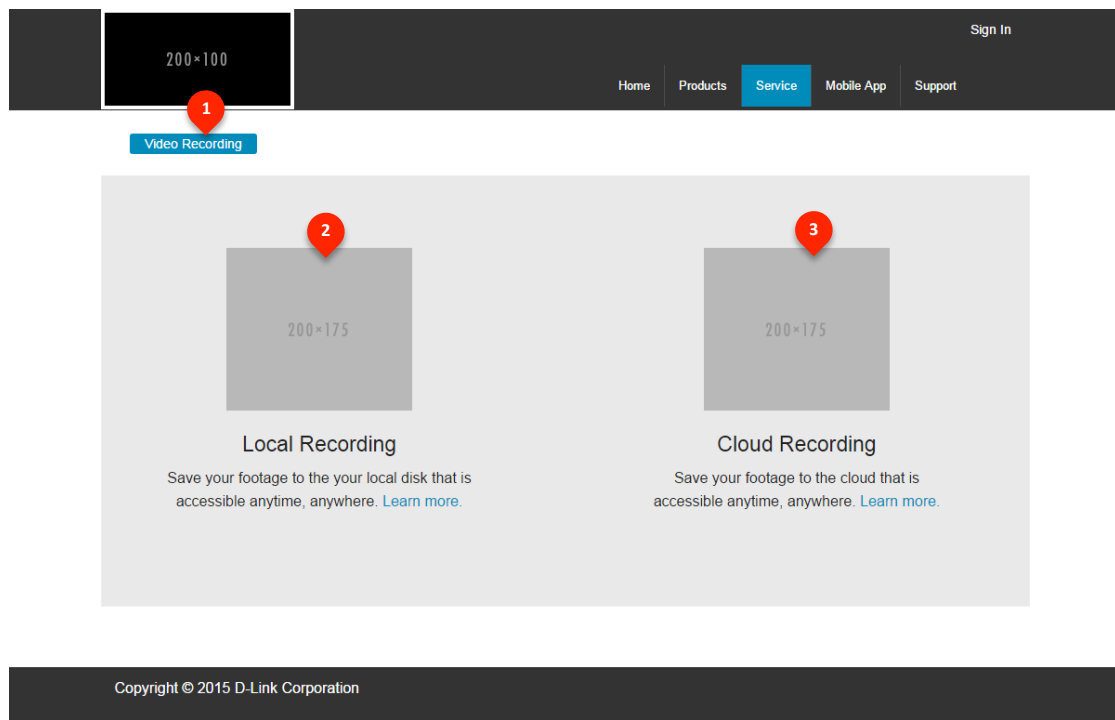
1.3.1 FW-101 HOMEPAGE



ID	Label	Description
1	Banner	The slide of Local Recording presents a feature headline and description with an image on the background and an option to link to the Local Recording Intro page. ➔ onclick: Goes to the Local Recording Intro page.
2	Service (menu button)	There is an option (Service button) in navigation bar link to Service page.

Spec Types: ☒ State ➔ ☒ Behaviour ☐ Data

1.3.3 SV-301 SERVICE



ID	Label	Description
1	Video Recording (sub menu)	On the Service page, the system displays two sets of recording service under Video Recording.
2	Local Recording	The first service item of video recording is Local Recording. It shows this service icon, title, and caption with an option to read more about it. → onclick: Goes to the Local Recording Intro page.
3	Cloud Recording	The second one is Local Recording. It show the same component as Local Recording but link to it own detailed page. → onclick: Goes to the Cloud Recording Intro page.

Spec Types: State → Behaviour Data

1.3.5 SV-303 LOCAL RECORDING

200~100

HomeProductsServiceMobile AppSupport

Sign In

Never miss a thing with local recording

Store your footage in the local space, and review them from any device and place.

1

LEARN MORE

Product In Need

Before getting started, you need a storage base to record to. Here are the options we provide:

2

200~275

DCS-890L

DCS-890L is a router being capable of inserting external SD card or usb disk to backup your footage. The maximum is up to 2T. [Learn more](#)

2.1

2.2

(If you were DCS-890L buyer, please make sure you use the latest firmware. [See how to upgrade.](#))

3

OR

4

200~275

Memory Card

In order to store video to your local space, mydlink provides some cameras with card feature to save to locally. [Learn more](#)

4.1

What You Will Get

Local recording is another way to save your video locally. It is always accessible via mydlink website/app. After pairing with your storage, you are going to get...

200~275

Automatically saved and accessible local footages

200~275

Timeline review with marks by events and notification e-mail

200~275

Quick and easy storyboard preview of your footages

How It Works

Step1

5

Get ready for your storage base and camera. [See supported devices.](#)

Step2

6

Download your device installer for walking through the setup process and registering it into mydlink.

Step3

Pair your devices on mydlink site, then it will immediately start recording and saving video locally

HAPPY USER

Over 3,000,000 people has already registered. All you need to do is [get started](#).

Self-Possession. Secure. Affordable. [7](#) ally suitable for your need personally.

GET STARTED

Copyright © 2015 D-Link Corporation

ID	Label	Description
1	Learn More	There is an option detailing about the local recording. ➔ onclick: Move to the next section (that is, Product In Need) of the same page.
2	Router DCS-890L	This partition summarize some good features of Router DCS-890L that is supported by local recording. 🌀 This device info is by region. Hide it for Europe site.
2.1	Learn more (link)	There is an option to learn more about how to use Router DCS-890L to set up the Local Recording. ➔ onclick: Link to FAQ page where there is a chapter detailing about this.
2.2	See how to upgrade	Due to no auto-detection of new firmware for router for local recording, there is a description telling they need to use new firmware for the DCS-890 device to set up Local Recording.
3	OR (text)	🌀 This word is by region. Hide it for Europe site.
4	Camera with memory card build-in	This partition describes the cameras with memory card built-in supporting the local recording.
4.1	Learn more (link)	There is an option to learn more about how to use camera with SD card feature to set up the Local Recording. ➔ onclick: Link to FAQ page where there is a chapter detailing about this.
5	See supported devices (link)	There is an option to see devices related to the Local Recording. ➔ onclick: Link to FAQ page where there is a chapter detailing about the supported devices.
6	Download (link)	There is a link to the Download page to get setup driver. ➔ onclick: Link to the Download page under the Support menu.
7	Get Started (link)	There is an option to get started with it. ➔ onclick: Direct to Sign In page to set it up. (After signing in, the system will walk user through the local recoding setup process if available camera found. Otherwise show <i>LR-807 No Available Camera</i> page)

Spec Types: 🌀 State ➔ Behaviour ☐ Data

1.3.7 FW-102 LOG IN

Sign In

Home Products Mobile App Support

Sign in to mydlink

Name :
Enter Your E-mail

Email:
Enter Your Password

☐ Remember me

LOG ME IN

[Forgot your password](#)

Copyright © 2013 D-Link Corporation

ID	Label	Description
1	LOG ME IN	There is an option to sign in with my email account and password. → onclick: If this account is with supported camera to set up local recording, then goes to <i>3.2.20 Pair Device – Step1</i> page. Otherwise, goes to <i>3.2.10 No camera Available</i> page.

Spec Types: State → Behaviour Data

1.3.8 LR-811 PAIR DEVICE – STEP1

Sign out

My Device My Service Mobile App Support

Pair Device Set Up Recording Complete

Pair your device

Camera

Select Your Cameras

Can't find your cameras?

CANCEL

Storage

Select Your Storage


NEXT

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ID	Label	Description
1	Select your camera (dropdown)	<p>To pair with device, the user is given an option to choose camera available under his account.</p> <p>➔ onclick: Show a list of available camera under user's account.</p> <p>➔ onselect: Check if this camera has latest firmware and with any available storage device. If not, then show the error message in a box. And disable the Device (storage) dropdown/option. Please refer to Task Flow: <i>C002 – Get started with Local Recording</i>.</p>
2	Learn more (link)	This is a link to FAQ where there is a chapter telling about pairing issue of the local recording.
3	Select your device for storage (dropdown)	<p>The user is given an option to choose storage base available under his account.</p> <p>🌀 It is blocked by default until user selected the camera without connection issue.</p> <p>➔ onclick: Show a list of available storage device under user's account.</p> <p>➔ onselect: Check if the following issues exist in this device storage (router) that user just specified:</p> <ul style="list-style-type: none"> • Reach pairing limit • Need Firmware upgrade • No drive disk inserted yet <p>If one of these exists, then show error message below the dropdown. If not, show another dropdown to choose volumes.</p>
4	Cancel	<p>There is an option to cancel my setup process.</p> <p>➔ onclick: Goes to Local Recording page.</p>
5	Next	<p>There is an option to proceed to the next step.</p> <p>➔ onclick: Goes to the <i>LR-812 Pair Device – Step2</i> page.</p> <p>Disable until the camera and the storage base as well as the volume are selected.</p>
Spec Types: 🌀 State ➔ Behaviour ☐ Data		

Camera Selected

A. Firmware Upgrade Needed for Camera



Camera

DCS-5350L

Firmware upgrade required!
You have to upgrade your device firmware in order to go over setup process of the local recording. [Upgrade Now](#)

Can't find your cameras? Please make sure your camera supports the local recording and be without pairing with other storage yet. [Learn more](#).

B. Connection Problem with Camera


Camera


DCS-935L_b

There is a connection problem with your camera.
Please [reconnect it](#) again.

Can't find your cameras?

[CANCEL](#)


C. No Available Storage found


Camera

DCS-935L

Can't find your cameras? Please make sure your camera supports the local recording and be without pairing with other storage yet. [Learn more](#).

↔



Storage

Select Your Device

There is no storage base we could find from your account. Please make sure you have an available one before getting started. [Reload again](#).

Storage Base Selected

A. Pairing Limit Reached




Storage

Router DCS-890L

This router has already paired up to 3 cameras. You have to deactivate one of other cameras in order to pair it.

B. No Drive Disk Inserted




Storage

Router DCS-890L

There is no drive disk or memory 4 within this device. Please insert it with that and reload again.

C. Storage Available




Storage

Router DCS-890L

Select Your Volumes 6

We will block the option that storage is less than 1 hour (1 hour included). For some reasons, we only list a volume item that has already paired by you.

D. Volume is Less Than 1 hr



Storage

Router DCS-890L

Volume 1 39 hrs remaining

Select Your Volumes

Volume 1 39 hrs remaining
 Volume 2 39 hrs remaining
 Volume 3 less than 1 hr 7

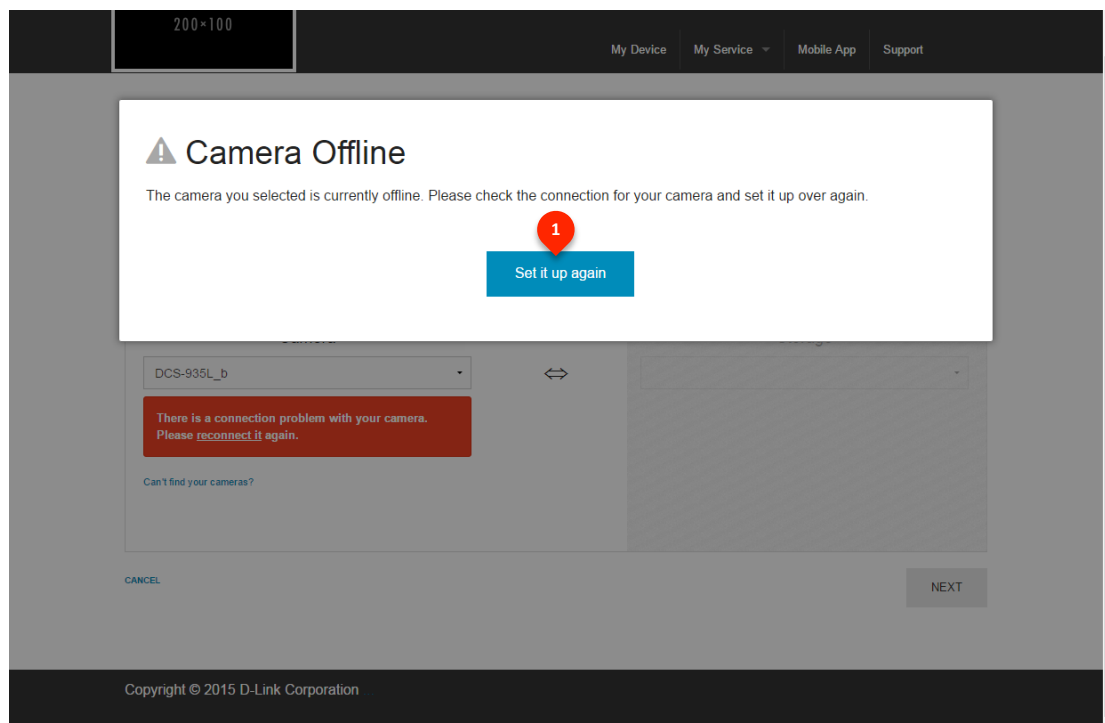
ID	Label	Description
1	Firmware Upgrade (link/btn)	When camera that user specified need to upgrade firmware, then show a message asking them to update. → onclick: Display the updates list and description about it will take time to update in a popup window.
2	Reconnect it	When the system couldn't connect to camera, then the system shows this error message. → onclick: Reconnect camera again that user just specified.

3	Reload again (link/btn)	When there is no storage found under the account, show this message with an option to rescan again. ➔ onclick: Run the system to find the device storage. ❑ The cause may be the system is taking time out for searching.
4	No drive disk (volumes) found (link/btn)	After selecting the device storage, the system searches the volumes from this device. If no any volume found from the router or camera, then show alert message. There is an option to rescan again. ➔ onclick: Run the system to find any volume from the device storage.
5	Volume drop-down	If the storage base is chosen and have no issue with, then show the Volume dropdown below.
6	Description	Here is a description about the volume selection restriction.
7	Volumes list (dropdown)	When the volume is less than 1hr, then disable this item. 🔒 Disabled.

Spec Types: 🔄 State ➔ Behaviour ❑ Data

1.3.9 LR-821 CAMERA OFFLINE (LIGHTBOX)

When the system could not connect to the camera during the setup process, then show a warning in a lightbox, with an option to set it up over again.



ID	Label	Description
1	Setup it up again	➔ onclick: Restart and find the camera to set it up for Local

(link/btn)


Recording. If no camera found, then show no camera available page, otherwise direct to setup step1 page.

Spec Types: [↶ State](#) [➔ Behaviour](#) [□ Data](#)

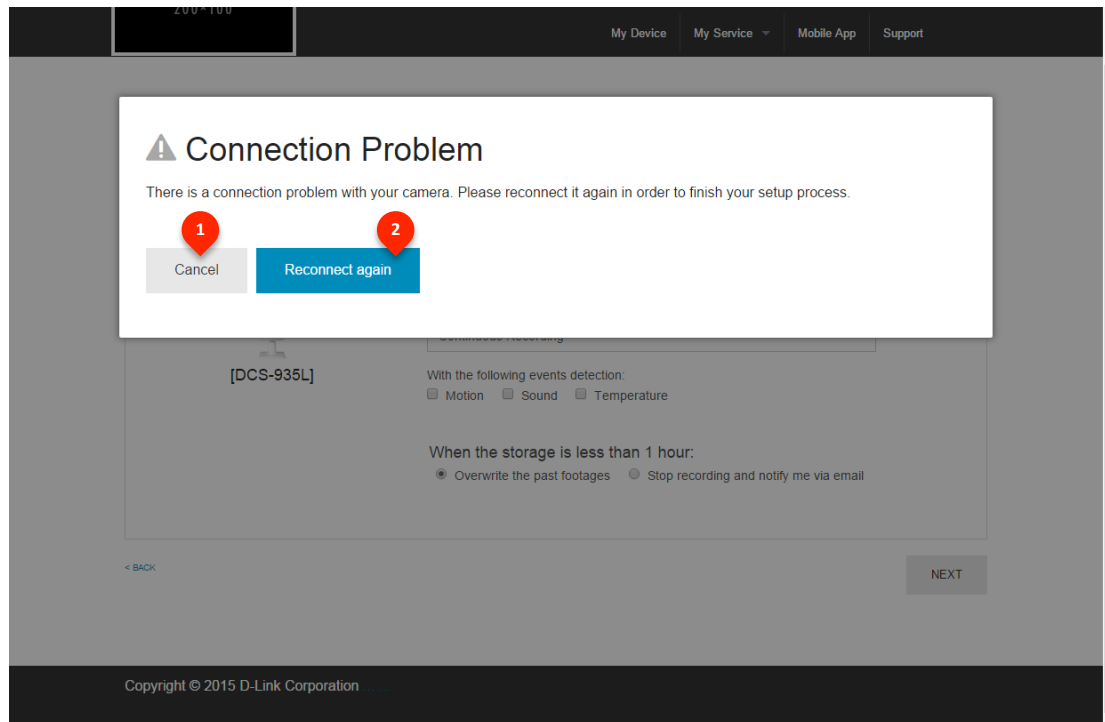
1.3.10 LR-812 PAIR DEVICE – STEP2

ID	Label	Description
1	Recording Type (dropdown)	There is an option to specify recording type (required) as follows: <ul style="list-style-type: none">• Continuous Recording• Event Recording
2	Continuous Recording (with the following event detection)	The Continuous Recording can come with the following event detection to record: <ul style="list-style-type: none">• Motion (checkbox)• Sound (checkbox)• Temperature (checkbox)
3	When storage is less than 1 hour (radio button)	There is an option to command the action if storage is full: <ul style="list-style-type: none">• Overwrite the past video (radio button, default by configuration)• Stop recording and notify me (radio button, default by configuration)
4	Back (link/btn)	There is an option to go back previous step. ➔ onclick: Back to LR-812 Pair Device – Step2 (3.3.20)
5	Next (link/btn)	There is an option to proceed to the next step.

➔ onclick: Goes to the *LR-813 Pair Device – Step3* page.
Disable until the Recording Type is selected.

Spec Types:  State ➔ Behaviour ☐ Data

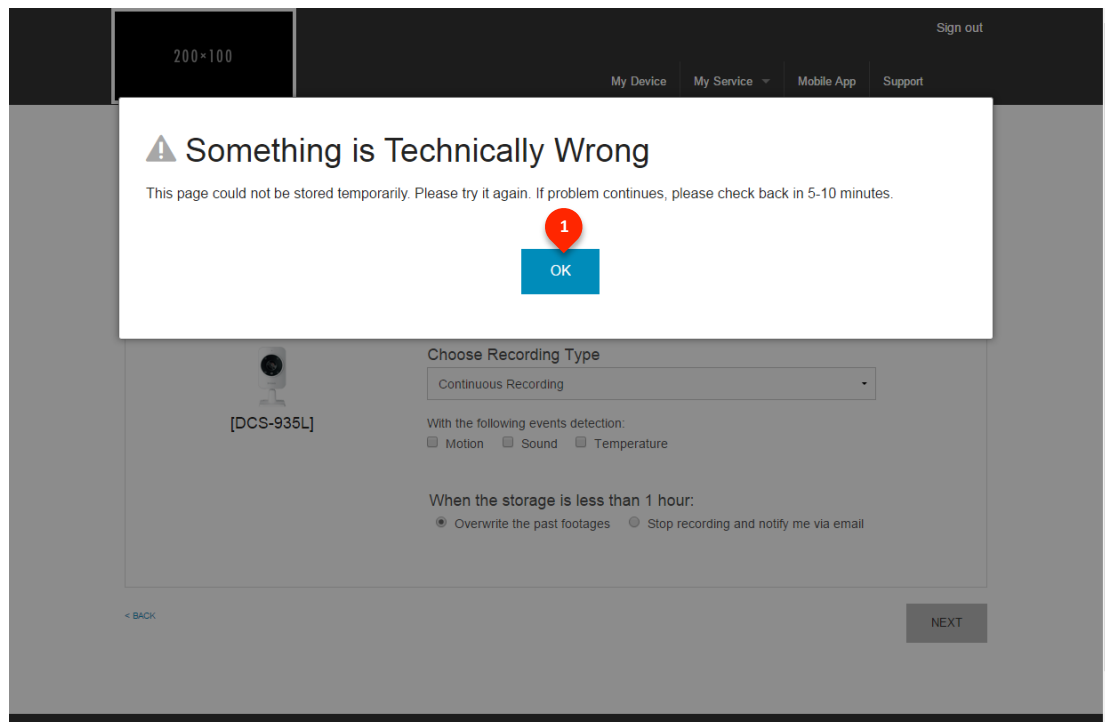
1.3.11 LR-822 CONNECTION PROBLEM FOR CAMERA



ID	Label	Description
1	Cancel (btn)	There is an option to cancel this setup. ➔ onclick: Close this popup and back to the <i>LR-802 Playback [Paired]</i> page or <i>LR-801 Intro [Not Yet Paired]</i> page based on if paired device found.
2	Reconnect again (btn)	There is an option to reconnect to camera again. ➔ onclick: Reconnect to camera. If successful, then close the popup. Otherwise, this popup remains opened.

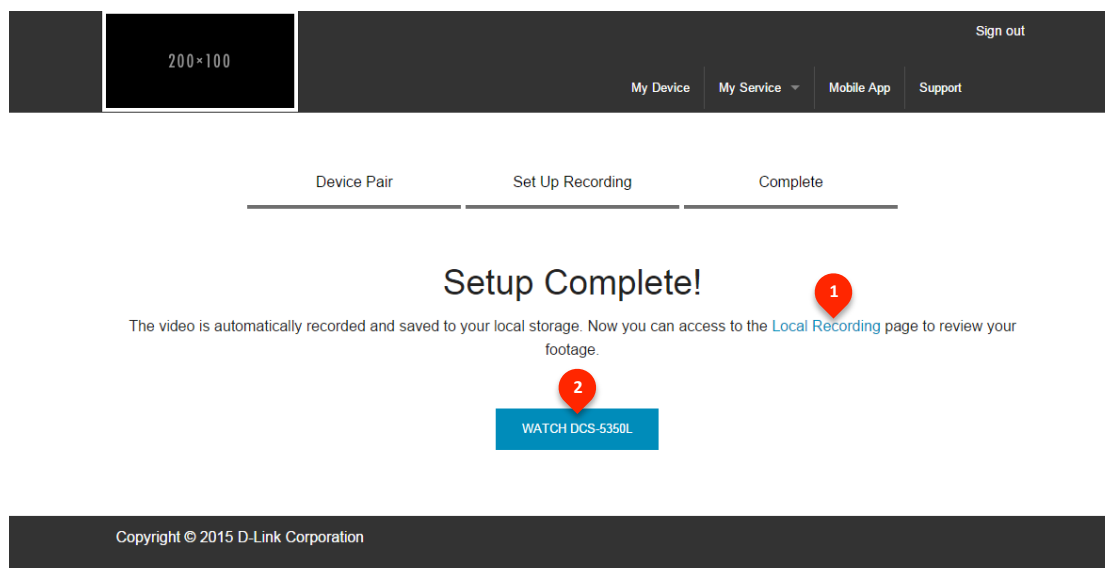
1.3.12 L-823 SOMETHING WRONG

When the user clicked on the Next button on *LR-812 Pair Device – Step2* and system returned some technically problem that causes the page could not be stored. Then this popup will show up.





ID	Label	Description
1	OK (btn)	The system opens a message in a popup, with an option to close it. ➔ onclick: Close this popup.

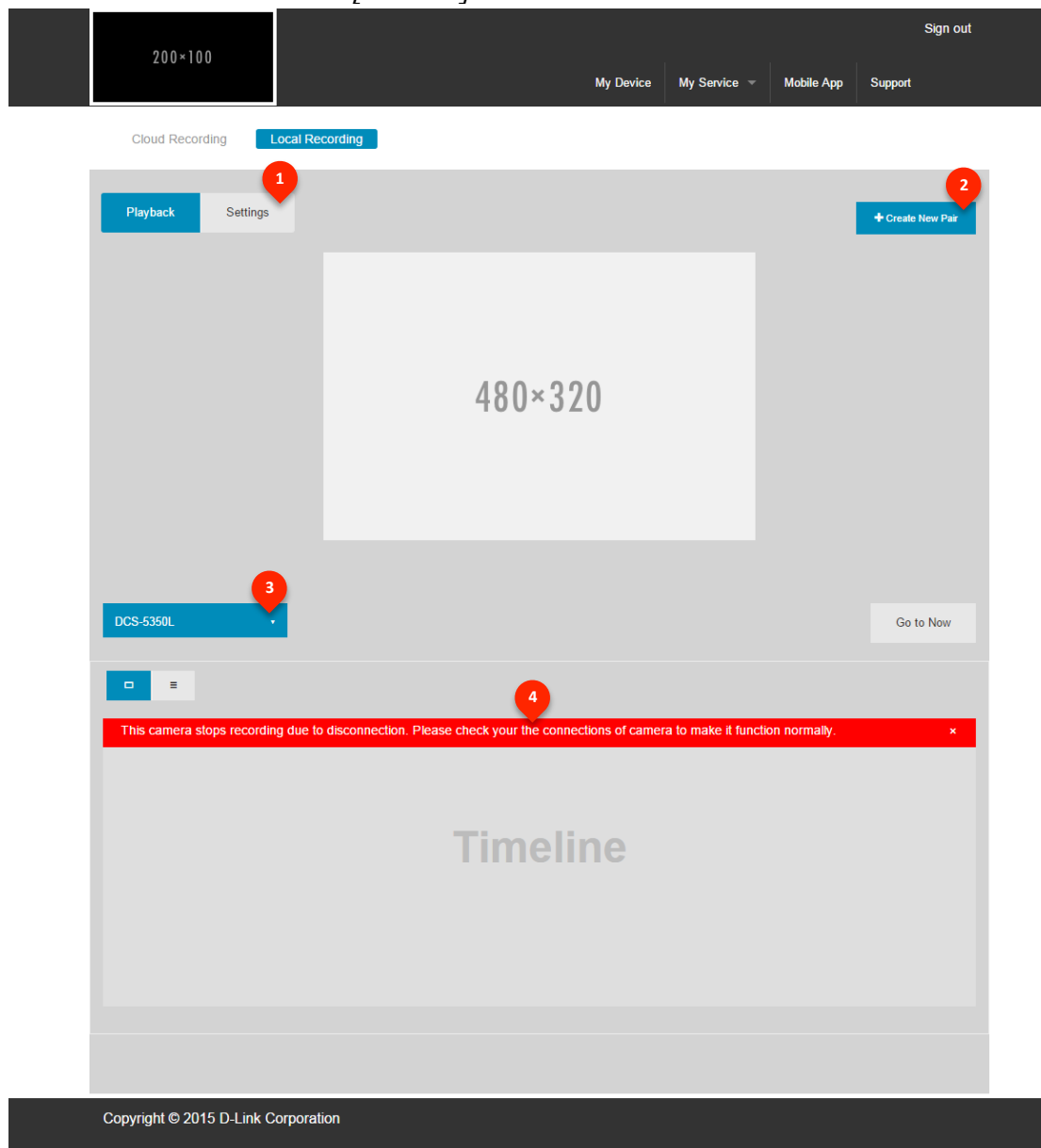
1.3.13 LR-813 PAIR DEVICE – STEP3




ID	Label	Description
1	Local Recording (link/btn)	It is a link to Local Recording page. ➔ onclick: Goes to Local Recording (Playback) page.
2	Watch [Device Name]	There is an option to view the recording of the device I just set up. ➔ onclick: Goes to Local Recording (Playback) page and has this device chose.

Spec Types:  State ➔ Behaviour  Data

1.3.14 LR-802 PLAYBACK [PAIRED]



ID	Label	Description
1	Settings (btn)	Switch to the Settings of the Local Recording. ➔ onclick: Goes to Local Recording Settings page.
2	Create New Pair (btn)	There is an option to create new pair. ➔ onclick: Run the same system behaviour as Get Started. Please refer to it.
3	Device Selection (dropdown)	There is an option to select device to view the video footage. ➔ onclick: Show paired camera(s) dropdown menu.
4	Alert box	There are some issues that may happened after pairing complete, as follows: <ul style="list-style-type: none"> • The volume is missing/disconnected. • The camera is disconnected (including timeout). • The camera is offline. There is an option to close this alert box. <input type="checkbox"/> Every time user selects this camera from Device dropdown or redirect to Playback with this camera selected and issue still remain, then show an alert box at the top of timeline.

Spec Types:  State ➔ Behaviour ☐ Data

Alert box

A. Camera Offline

This camera is currently offline. Please check your the connections for camera to make it function normally.

×

B. Camera Disconnection

There is a problem with connection to your camera. Please reconnect it again to make it function normally.

×

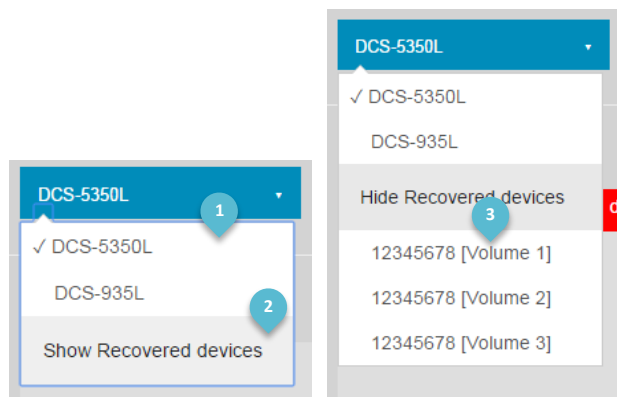
C. Storage Missing

This storage is missing. Please check your connections to make it function normally. Reload again.

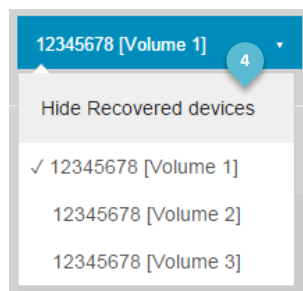
×

Device Menu Dropdown

A. With paired device (Collapsed & Expanded)



B. Without paired device



ID	Label	Description
1	With paired device_Collapsed (btn)	<p>After the Device dropdown menu is shown, the system shows the paired device(s) list following the unpaired device(s) list in a group.</p> <p>🌀 The Unpaired Device is collapsed by default.</p> <p>🌀 If any footage of unpaired device found, then show Unpaired Device menu</p>
2	Show Unpaired Device (btn)	<p>There is an option to view unpaired device.</p> <p>➔ onclick: Expand it, then the system starts recovering videos from the unpaired device.</p> <p>🌀 When the menu is shown, then the label “View Recovered Device” change to “Hide Recovered Device”. The contrary behaviour as the user collapses the tab.</p>
3	Unpaired device list	For each unpaired device, it includes mydlink number and volume name as a label.
4	Without pair device (btn)	In recovered mode, the Unpaired Device menu is expanded by default as a item list.
Spec Types: 🌀 State ➔ Behaviour <input type="checkbox"/> Data		

1.3.15 LR-803 SETTINGS

200 × 100

Sign out

My DeviceMy Service ▾Mobile AppSupport

Cloud Recording

Local Recording

1

2

3

4

5

6

PlaybackSettings

+ Create New Pair

Volume 1 / Router DCS-890L

102 hr(s) free out of 255 hrs

DCS-5030L

Recording Type

Continuous Recording

Storage

Overwrite the past footages when my storage has only 10 hours remaining to record.

Volume 1 / Camera DCS-935L

This storage has reached space limit. Please clean out your storage for more space to record.

DCS-935L

Recording Type

Continuous Recording

Storage

Overwrite the past footages when my storage has only 10 days left to record.

Volume 1 / Router DCS-890L

102 hr(s) free out of 255 hrs

DCS-5030L

Recording Type

Continuous Recording

Storage

Overwrite the past footages when my storage has only 10 hours remaining to record.

This camera stops recording due to disconnection. Please check your the connections of camera to make it function normally.

DCS-5350L



Recording Type

Event Recording



Storage

Stop recording and notify me when the storage has only 3 hours remaining to record.

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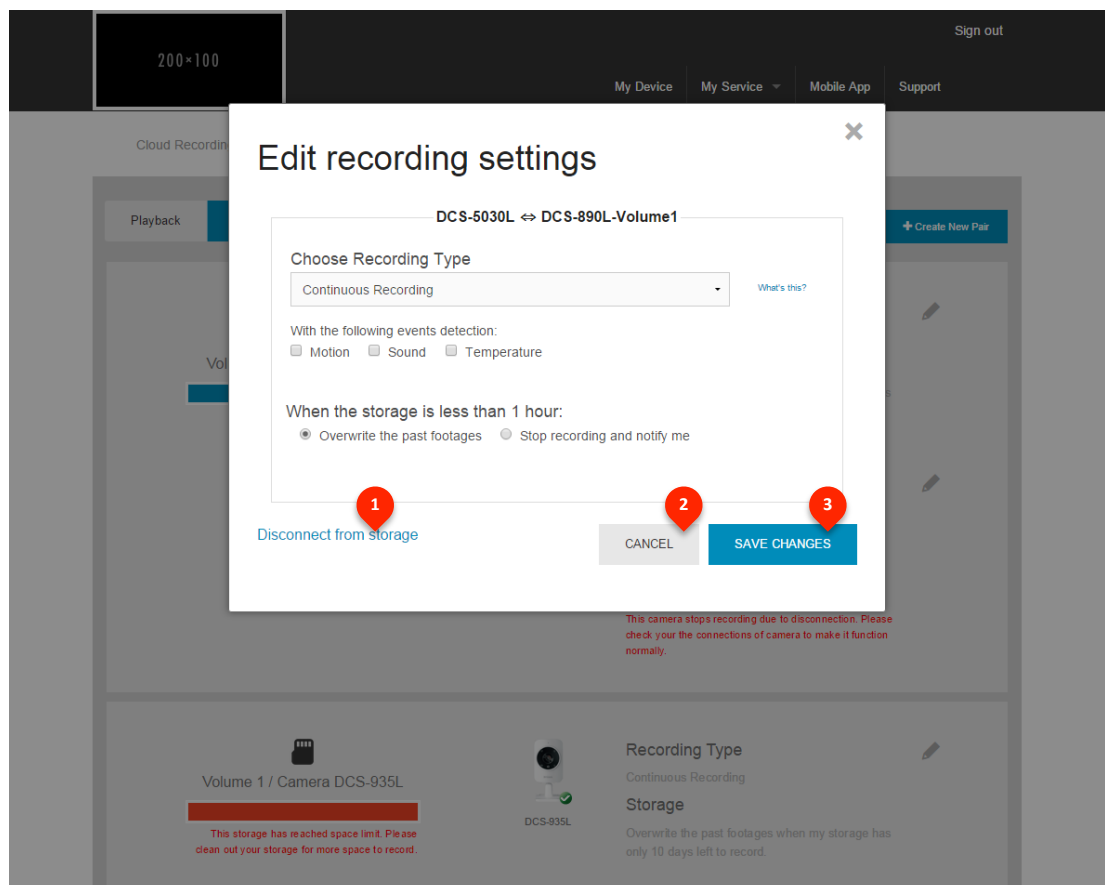
ID	Label	Description
1	Playback (btn)	Switch to the Playback of the Local Recording. ➔ onclick: Goes to Local Recording (Playback) page.
2	Storage Icon (icon)	If this volume is belonged to Router then show USB/hard drive disk icon (that is, ). Show the SD card icon (that is, ) instead if it is by memory card from camera.
3	Storage Device	The formatting of Storage device info is [Volume]/ [Device name]

Info (text)		
4	Storage Indicator	<p>There are three statuses to indicate storage condition:</p> <ul style="list-style-type: none"> • Normal (that is, bar in blue) • Full/Less than 1 hour (that is, bar in red) • Missing (that is, bar with block image covering it) <p>To learn more about the formatting of bar, please see <i>LR-803 Settings.html</i> in prototype</p>
5	Camera	<p>For each paired camera, there are following information to show:</p> <ul style="list-style-type: none"> • Device Name/Image • Device status: Online/Offline • Recording type: Continuous/Event Recording • Storage limit details: Summary of storage settings • Edit button: Open the recording settings in a popup
6	Edit	<p>There is an option to edit the recording setting.</p> <p>➔ onclick: Open the recording settings in a popup</p>


Spec Types:  State ➔ Behaviour  Data

1.3.16 LR-805 EDIT DEVICE SETTINGS (POPUP)

Here is a popup having the device settings within that user set up before.

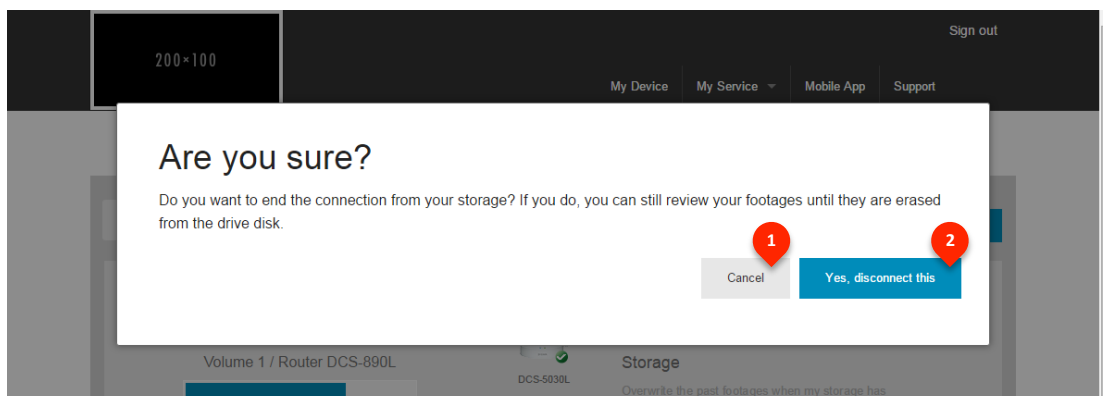


ID	Label	Description
1	Disconnect from storage	There is an option to disconnect this device (camera) from the paired storage. ➔ onclick: Show a message (in a popup) for a confirmation.
2	Cancel	There is an option to cancel the changes. ➔ onclick: Close the popup window.
3	Save changes	There is an option to save the changes. ➔ onclick: Save the changes and close the popup window.

Spec Types:  State ➔ Behaviour ☐ Data

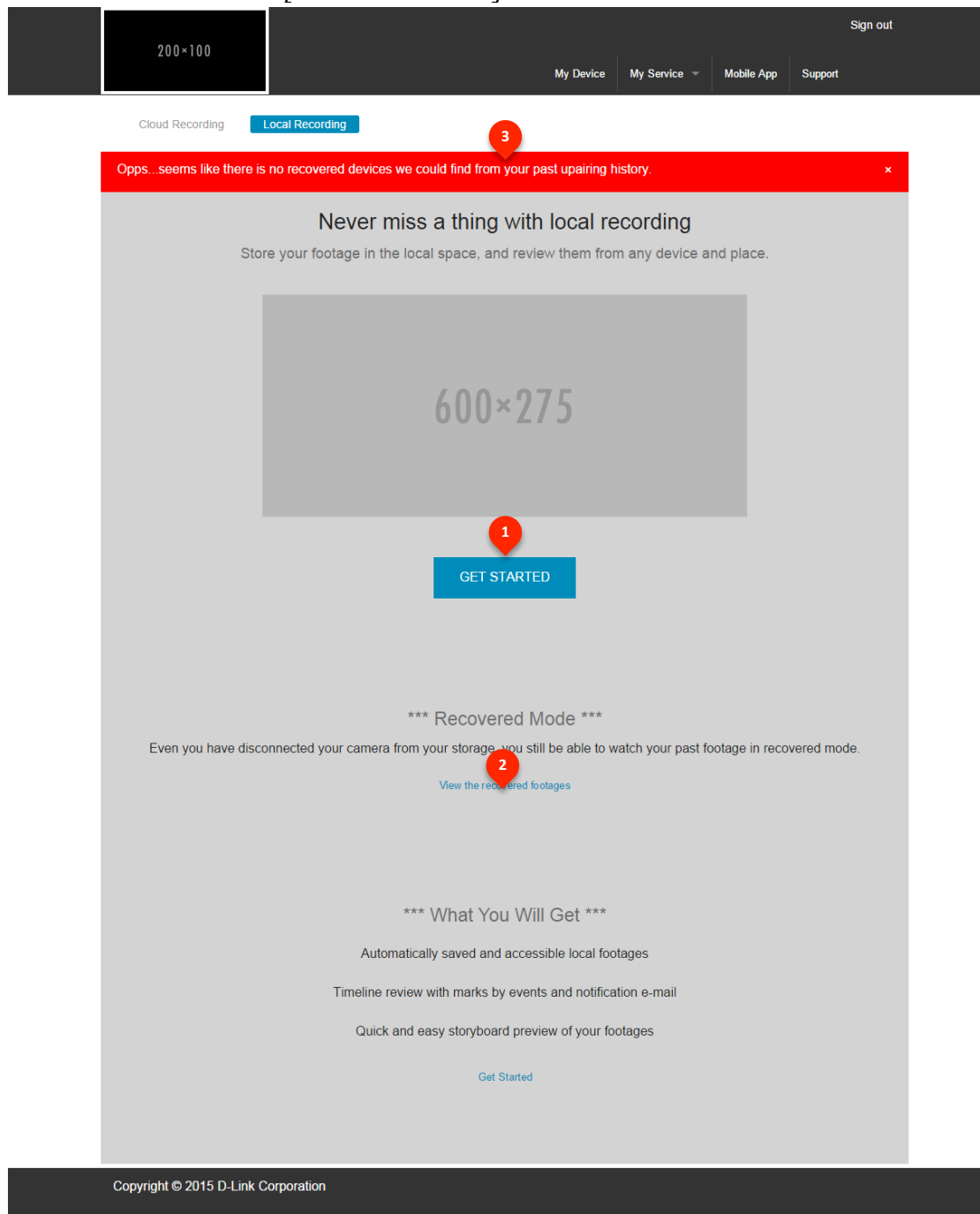
1.3.17 LR-806 UNPAIR CONFIRMATION (POPUP)

Here the system show a message for a confirmation in a popup when user clicked Unpair button.





ID	Label	Description
1	Cancel	There is an option to cancel this action. ➔ onclick: Return me to the <i>LR-805 Edit Device Settings</i> popup.
2	Yes, disconnect it	The button to confirm my action. ➔ onclick: Disconnect the camera from storage and close the popup window. (This item in a list in Settings page will disappear and this item from Device dropdown in Playback will move to in Unpaired Device group.)

1.3.18 LR-801 INTRO [NOT YET PAIRED]

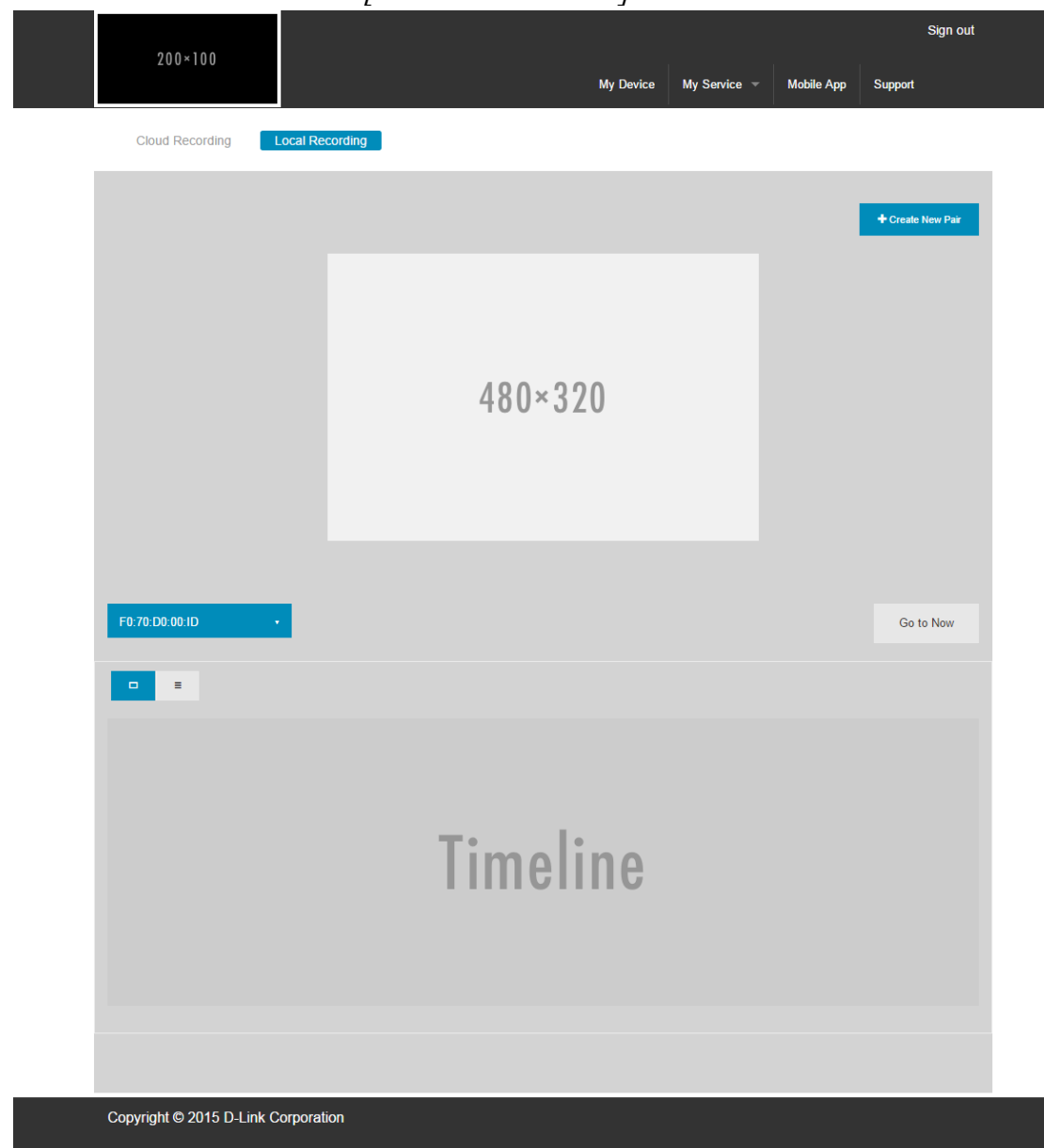


ID	Label	Description
1	Get Started (btn)	There is an option to get started to pair new device for local recording. ➔ onclick: Run the same system behaviour as the user Get Started and log in. Please refer to it.

- | | | |
|---|----------------------------------|---|
| 2 | View recovered device (link/btn) | On the Local Recording Intro page (logged in), there is an option to view the recovered device.
➔ onclick: If any unpaired device found, then goes to <i>3.2.4 Local Recording (Recovered Mode)</i> page. Otherwise, show an error message in a box on the top of page. Please see <i>lr_intro_logged.html</i> in prototype. |
| 3 | Warning box for recovered mode | The error message for no footage found from past unpaired device after user clicked on “View recovered footage” link/btn |

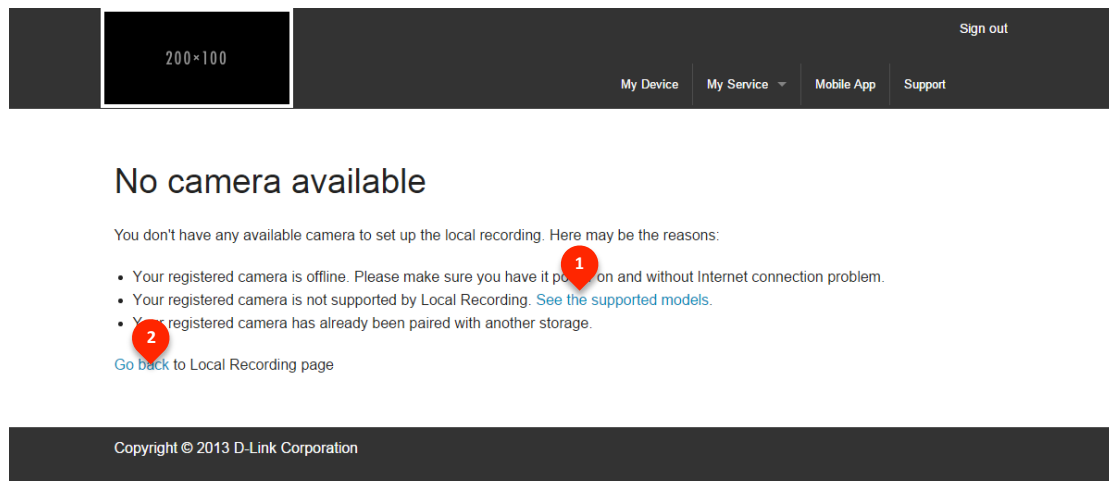
Spec Types:  State ➔ Behaviour  Data

1.3.19 LR-804 PLAYBACK [RECOVERED MODE]



1.3.20 LR-807 NO CAMERA AVAILABLE

The description lists some reasons that may cause the problems to set up local recording. When no camera is available to set up local recording, the system shows message in a whole page.

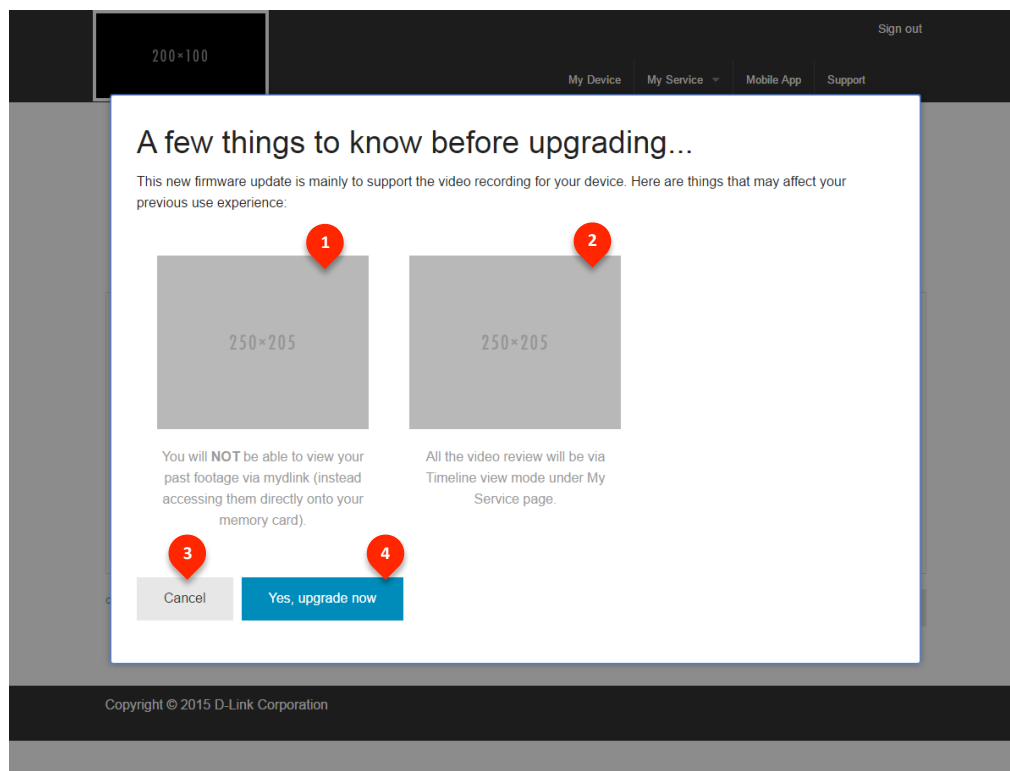


ID	Label	Description
1	See the supported models (link/btn)	The page tells only supported device can be set up to local recording, with a link to FAQ detailing more about it. ➔ onclick: Goes to FAQ page where there is a section detailing about it.
2	Go Back	There is an option to return me to the Local Recording page.

Spec Types: ☒ State ➔ ☒ Behaviour ☐ Data

1.3.21 FW-130 CONFIRMATION FOR CAMERA (POPUP)

When user clicks Upgrade Now button for firmware upgrade for a camera, the system shows a message (in a popup) for a reminding and a confirmation.

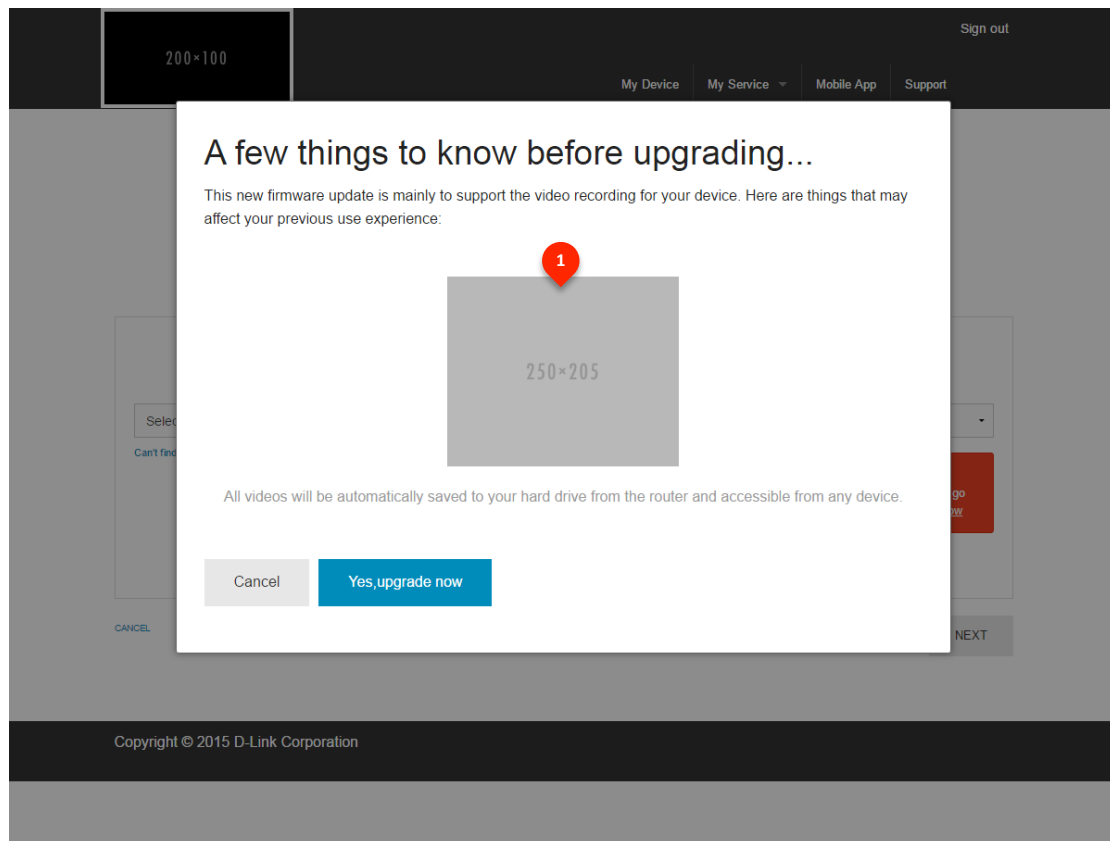


ID	Label	Description
1	Image Set 1	Here is a description about the past footage is no longer to be reviewed online. It is only accessible on memory card instead.
2	Image Set 2	Here is a description about the video recorded later will be reviewed in timeline under My Service page.
3	Cancel (btn)	There is an option to close this mission of the firmware upgrade. → onclick: Close this window.
4	Yes, upgrade now (btn)	There is an option to confirm this mission of the firmware upgrade. → onclick: Start upgrading.

Spec Types: ☒ State → Behaviour ☐ Data

1.3.22 FW-131 CONFIRMATION FOR ROUTER (POPUP)

When user clicks Upgrade Now button for firmware upgrade for a router, the system shows a message (in a popup) for a reminding and a confirmation.



ID	Label	Description
1	Image Set 1	Here is a description about all video can be saved automatically to the storage from router and accessible from any device after updating.

2 REVISION HISTORY

<i>Version</i>	<i>Date</i>	<i>Authors</i>	<i>Reason For Changes</i>
2.6.x	2015/07/31	Jerry	The first draft of UI Spec for local recording.
2.6.x	2015/08/05	Jerry	Minor changes to the first draft UI Spec. Here it goes: Add the following pages: LR-805 Edit Device Settings (popup), LR-806 Unpair Confirmation (POPUP). And take off the Set Storage Limit feature.
2.6.x	2015/08/10	Jerry	<p>Renewed <i>FW-130 Confirmation for Camera (popup)</i> for firmware upgrade.</p> <p>Added <i>FW-131 Confirmation for Router (popup)</i> for firmware upgrade.</p> <p>Added the description about volume item restriction below the Volumes drop-down to the LR-811 Pair Device – Step1</p> <p>Added “Log only” text to the Event Recording item from Recording Type drop-down.</p> <p>Replaced the MAC with mydlink Number with Volume Name selected for unpaired device selection as a label.</p> <p>Take off Send E-mail Notification function from <i>LR-812 Pair Device – Step2</i></p>
2.6.x	2015/08/12	Jerry	<p>No auto-detection of firmware upgrade for local recording for router. This change will affect the <i>LR-811 Pair Device – Step1</i>.</p> <p>Added a description to router DCS-890L on <i>SV-303 Local Recording</i> saying the new firmware should be used to set up local recording.</p> <p>Took off the Event Recording feature. Right now the Continuous Recording is only the option for Local Recording. See <i>LR-812 Pair Device – Step2</i>.</p> <p>Took off a link revealing a description in a popup about the differences between Continuous and Event Recording. See <i>LR-812 Pair Device – Step2</i>.</p> <p>Added an error message to the following situations during the setup process for local recording:</p> <ul style="list-style-type: none">• Connection problem with camera. (box/popup)• Camera becomes offline. (popup)• Page could not be stored temporarily. (popup) <p>Minor changes to the user flow.</p>

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