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How to Recover Footage from my SD Card if my Hard Drive has Failed

Version 1.0 - A. Scott

Overview

In the event that your HDD (Hard Disk Drive) has failed and you need to recover footage from a recent incident. It is possible that your most recent footage will be saved on the SD card inside your MDR.



Glossary

- **Events** - An activation of an input e.g. Sensor input (trigger 1-8), Overspeed, Left indicator etc. These are displayed during playback.
- **Alarms** - Is an EVENT that has been configured (in the MDR settings) to be an alarm. These can be displayed real time (for 4G and Wi Fi models only), in the Dashboard and Mobile App.
- **Metadata** - Any data that is not video or audio i.e. GPS, Event, speed etc., info (black box data).
- **Clipping** - A section of recorded footage you wish to save.
- **Local download** - A download set to save to a directory on your PC.

MDR 600 Series SD card slot Location **Brigade**

3.7.1 MDR-644XX-X-XXX(XX) SD Card Removal

Step 1

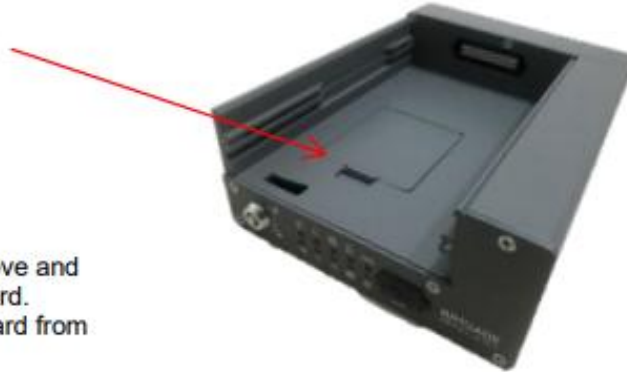
Unlock the MCU using the key and confirm the PWR LED is OFF

Step 2

Slide out MCU. Push the clip away from you while lifting the lid.

Step 3

The SD Card is placed in a SD card slot. Remove and discard the plastic tape covering the SD card. Push and depress the SD card to remove the card from its slot.



For more details, please Click the Link to [MDR 600 Series Instruction Manual](#) and see page 14.

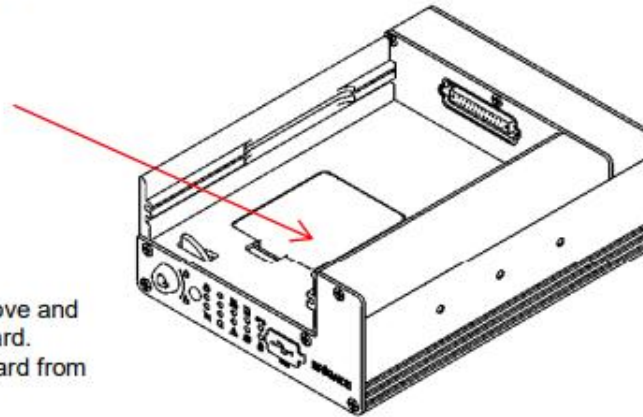
- **Note: The MDR 641 does not have a SD card slot.**

MDR 500 Series SD card slot Location



3.8.1 MDR-504XX-X-XX-XXX(XX) SD Card Removal

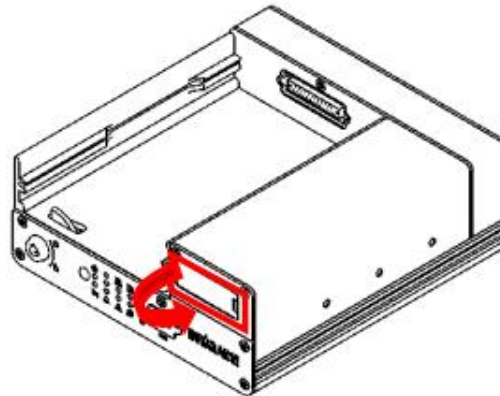
- Step 1**
Unlock the MCU using the key and confirm the PWR LED is OFF
- Step 2**
Slide out MCU. Push the clip away from you while lifting the lid.
- Step 3**
The SD Card is placed in a SD card slot. Remove and discard the plastic tape covering the SD card. Push and depress the SD card to remove the card from its slot.



SD Card removal for MDR-504XX-X-XX-XXX(XX) Figure 11

3.8.2 MDR-508XX-X-XX-XXX(XX) SD Card Removal

- Step 1**
confirm the **PWR LED** is OFF
- Step 2**
Gently open the door marked (as indicated by the arrow on front of MDR-508-EXP) to reveal the SD card slot.
- Step 3**
Push and depress the SD card to remove the card from its slot. SD card are inserted with contacts facing upwards.

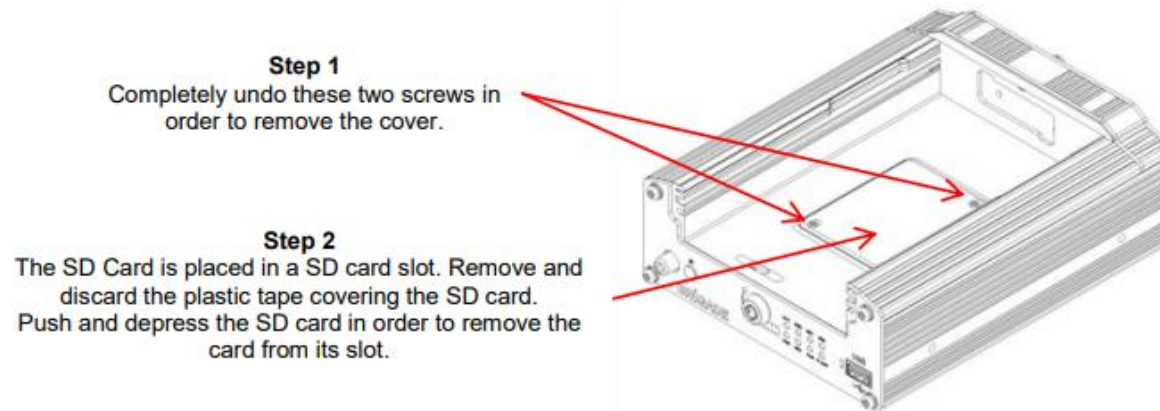


For more details, please Click the Link to [MDR 500 Series Instruction Manual](#) and see page 13.

MDR 400 Series SD card slot Location

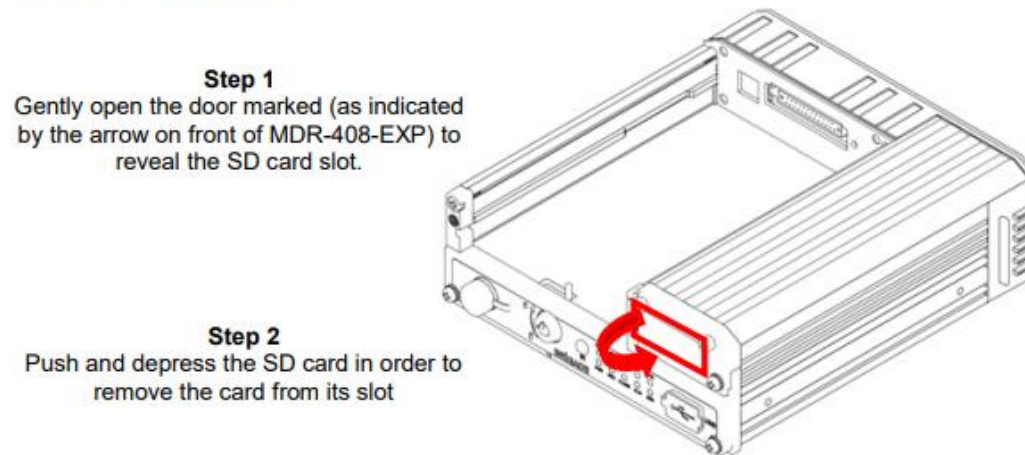


3.8.1 MDR-404xx-500 SD Card Removal



SD Card removal for MDR-404xx-500 Figure 12

3.8.2 MDR-408xx-1000 SD Card Removal



For more details, please Click the Link to [MDR 400 Series Instruction Manual](#) and see page 13.

SD Card Reader

Once you have the SD Card removed you will need to insert it into your laptop/PC. Some devices have a port built in for this but if your device does not, then you will need a USB SD card reader.



MDR Dashboard 6.0 Software



You must have the latest MDR Dashboard 6.0 Software installed on your Laptop/PC to view/export footage from your SD card. (the MDR Dashboard 6.0 software is not compatible with Apple or Mac devices.)

You can find the download for this software on our Website **brigade-electronics.com** or from the link: [MDR Dashboard 6.0 Download](#)

Note:

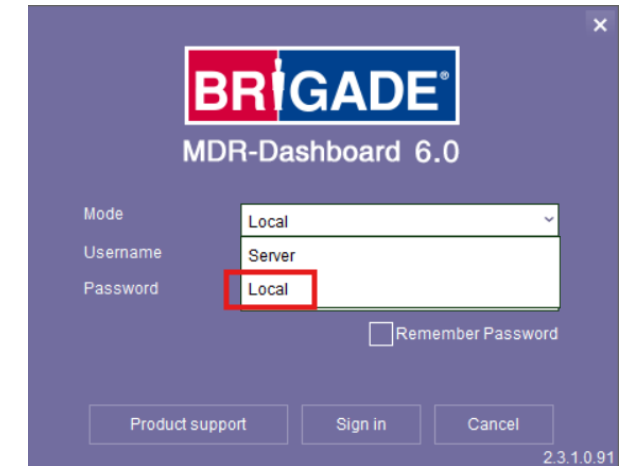
- MDR Dashboard 6.0 Software is compatible with SD Cards from MDR 400, 500 & 600 series.
- For SD Cards from MDR 400 & 500 series you will need to Run the MDR Dashboard 6.0 Software as administrator.

MDR Dashboard 6.0 Local Mode Login

Login into MDR Dashboard 6.0

1. Change Mode to (**Local**) option from the dropdown menu.
2. The default username is **admin** (this must be all lower case).
3. There is no default password, **LEAVE THIS SECTION BLANK**.
4. Once the mode & username are populated, Click: “**Sign in**”

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The screenshot shows the MDR-Dashboard 6.0 login window. The Mode dropdown menu is set to 'Local'. The Username field contains 'Server' and the Password field contains 'Local'. The 'Remember Password' checkbox is unchecked. The 'Sign in' button is highlighted with a red box. The version number '2.3.1.0.91' is visible in the bottom right corner.



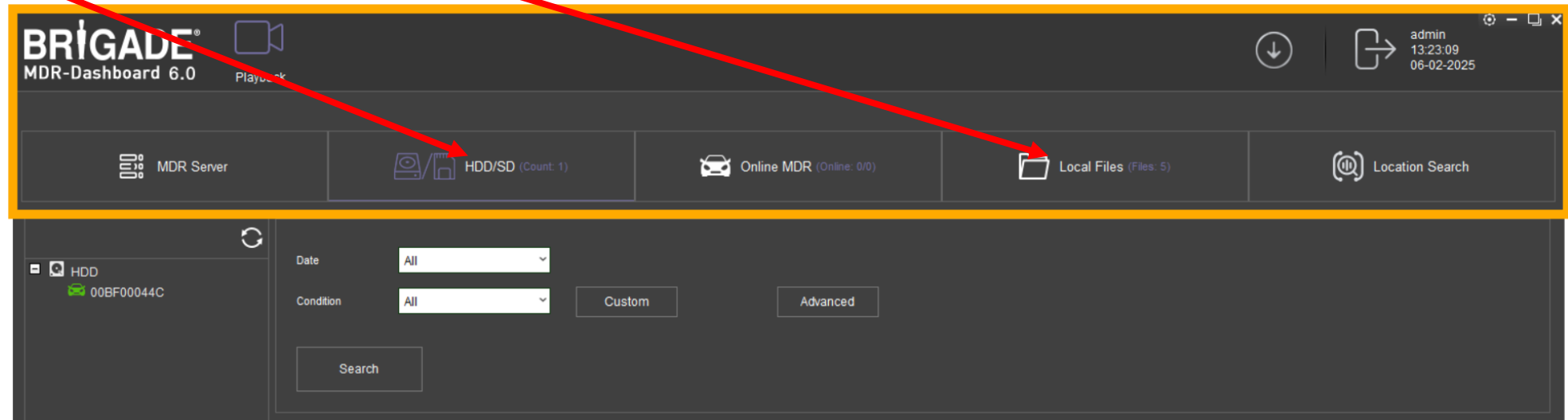
The screenshot shows the MDR-Dashboard 6.0 login window. The Mode dropdown menu is set to 'Local'. The Username field is populated with 'admin' and the Password field is empty. The 'Remember Password' checkbox is unchecked. The 'Sign in' button is highlighted with a red box. The version number '2.3.1.0.91' is visible in the bottom right corner.

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Playback HDD & Local Files



- The Data Source Area (**shown in the Yellow box**) shows the different playback options you can view or retrieve data from. In Local mode you have two playback options, **HDD/SD** and **Local Files**.



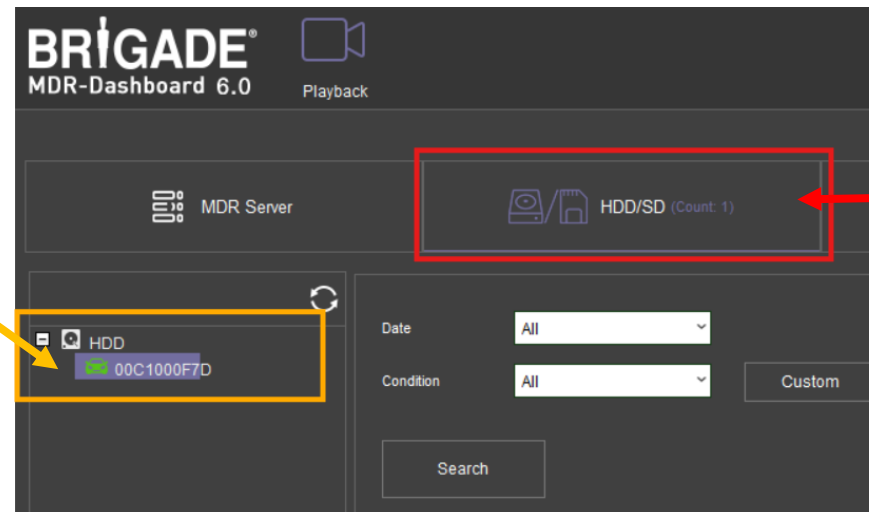
- **HDD/SD** is active when the physical MCU or SD Card is connected to your Laptop/PC.
- **Local Files** are previously saved local data stored on your Laptop/PC.

SD Card Playback



- With the SD Card plugged in and the MDR Dashboard 6.0 software opened.
- Select HDD/SD as shown in **red box**, Your MCU (Hard drive) should appear as a green vehicle in the column on the left of the Dashboard as shown in the **Yellow box**. This will indicate it is available for browsing. Double click on the green vehicle to open the calendar of recording.

Double click the vehicle icon. This will display ALL calendar events.



The HDD/SD Count number shown is the number of HDCs connected.

Note: If the green vehicle does not appear, Click the refresh icon. 

Calendar

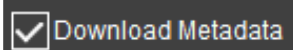


Double click on the relevant calendar date to display the pre playback screen.

- Green dates indicate days with recorded footage
- Orange dates indicate days with event (alarm) footage
- A Red dot represents metadata
- Grey dates indicate no recordings
- White outline is the current date (today's date)

2025 - 04						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Ensure that DOWNLOAD METADATA is always ticked.



This will ensure all metadata is shown with playback video.

HDD Pre-Playback Screen

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Select different view settings i.e. MAP, VIDEO & VIDEO/MAP

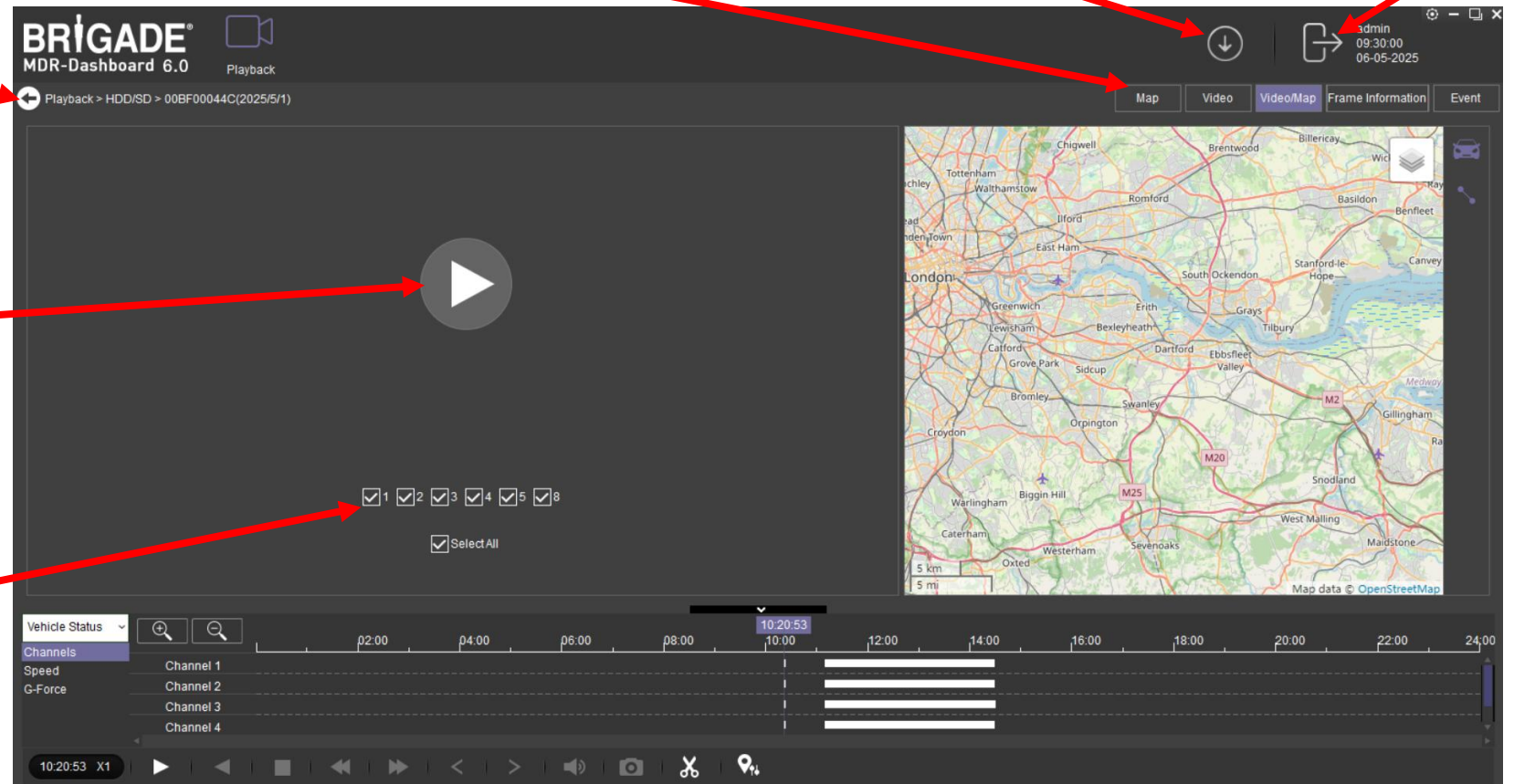
Downloads

Logout

Click back arrow to return to calendar screen.

Click play button to display the data.

Select number of channels to playback.



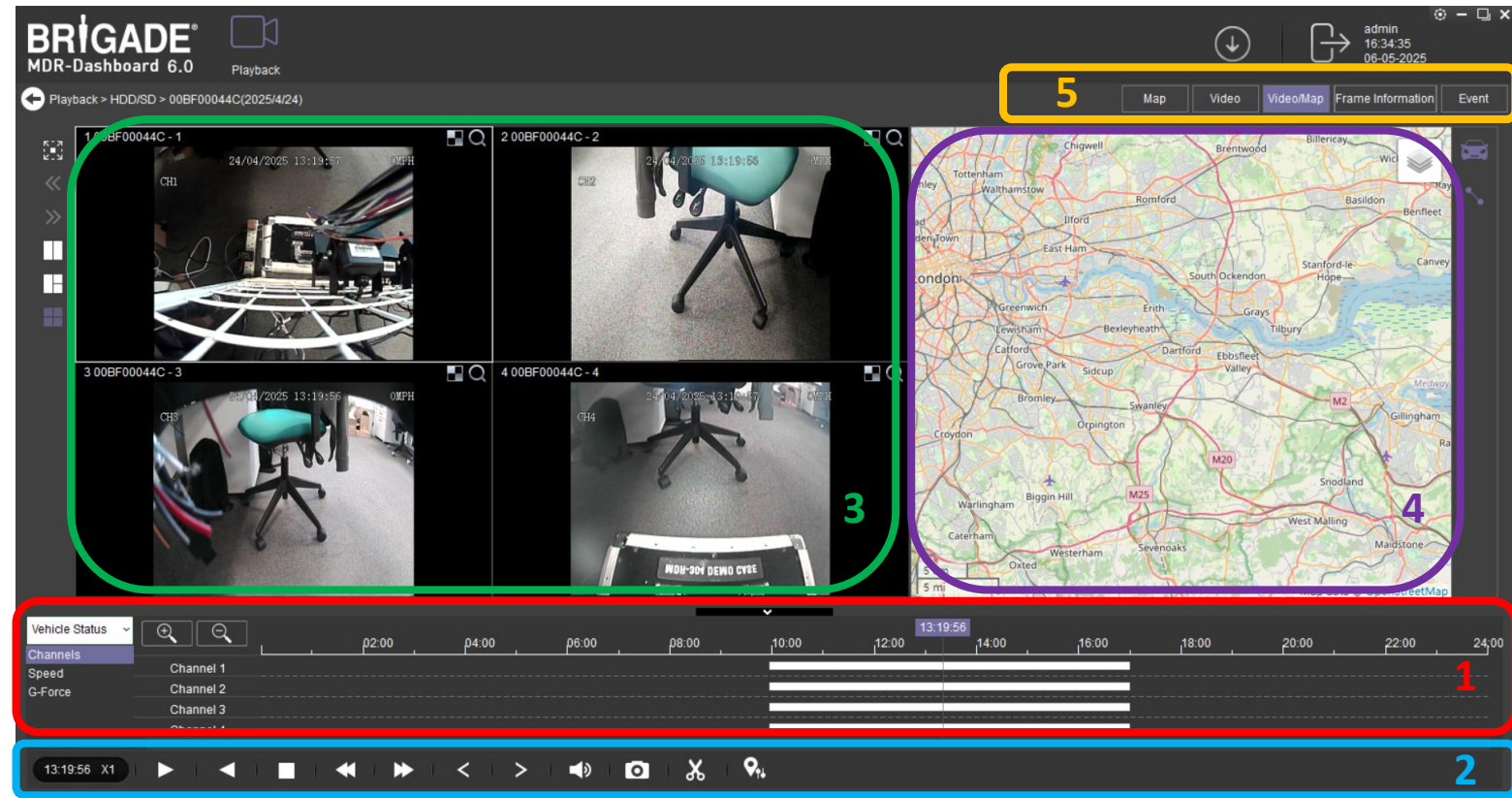
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MDR Dashboard 6.0 Local Mode Interface

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The Key Areas:

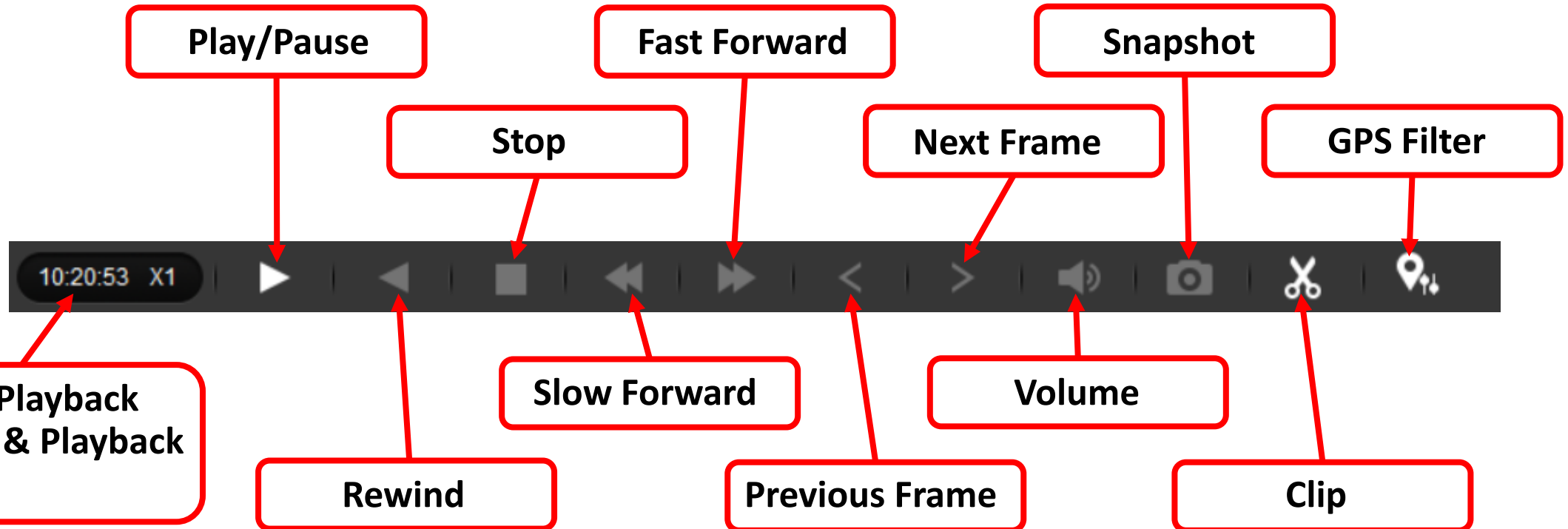
1. Graphics Panel (**Area 1**)
2. Control Panel (**Area 2**)
3. Media Playback (**Area 3**)
4. Map, requires internet (**Area 4**)
5. Frame Information (**Area 5**)



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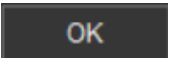
Control Panel Breakdown

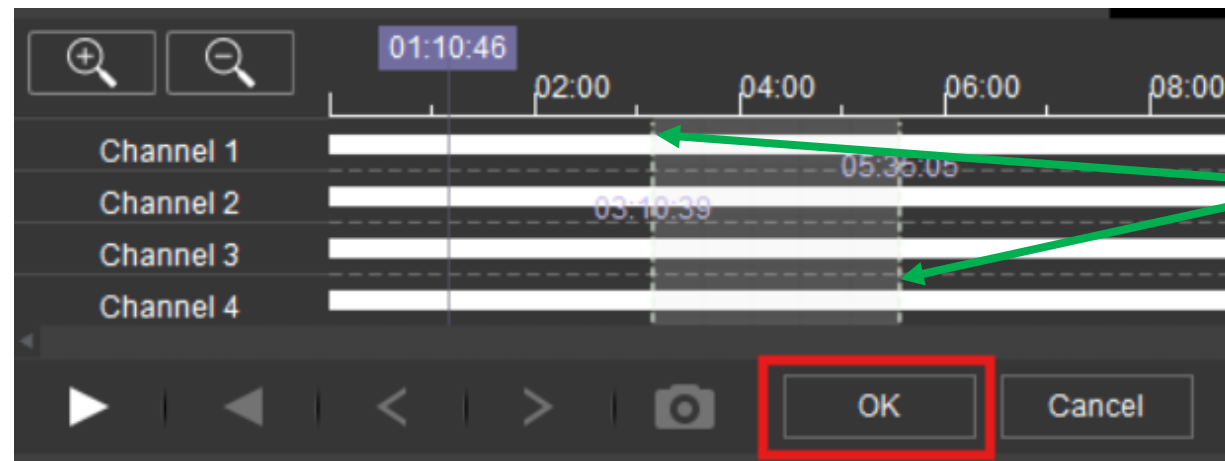
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Exporting Videos



- Click on the “**CLIP**” button , on the control panel. Only accessible while video is being played or paused.
- White **Clip Markers** (broken vertical lines) appear as outlined below.
- Select the start and end time for the clip by dragging and dropping the clip markers to the desired time.
- Click  (as shown in the red box below) and the clip settings window will open.



Clip Markers

Clip Settings

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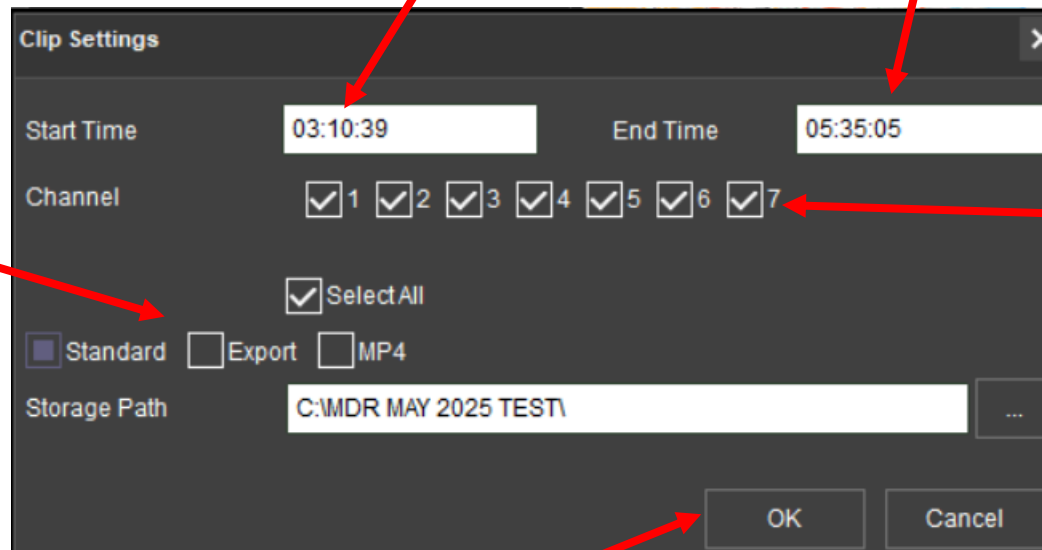
1. Double check **Start Time** and **End Time**.

3. Choose a format to download your file into. (see next slide).

2. Check the number of **Channels** you want to download. The more channels you choose the bigger the file size.

4. Choose the **Storage Path** where to save your file.

5. Click "**OK**" once you have selected all your preferred settings.



The screenshot shows a 'Clip Settings' dialog box with the following fields and options:

- Start Time:** 03:10:39
- End Time:** 05:35:05
- Channel:** Seven checkboxes labeled 1 through 7, all of which are checked.
- Select All:** A checkbox that is checked.
- Format:** Three radio buttons labeled 'Standard' (selected), 'Export', and 'MP4'.
- Storage Path:** A text field containing 'C:\MDR MAY 2025 TEST\'. To the right of the text field is a button with three dots '...'.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right.

Red arrows point from the numbered instructions to specific elements in the dialog box:

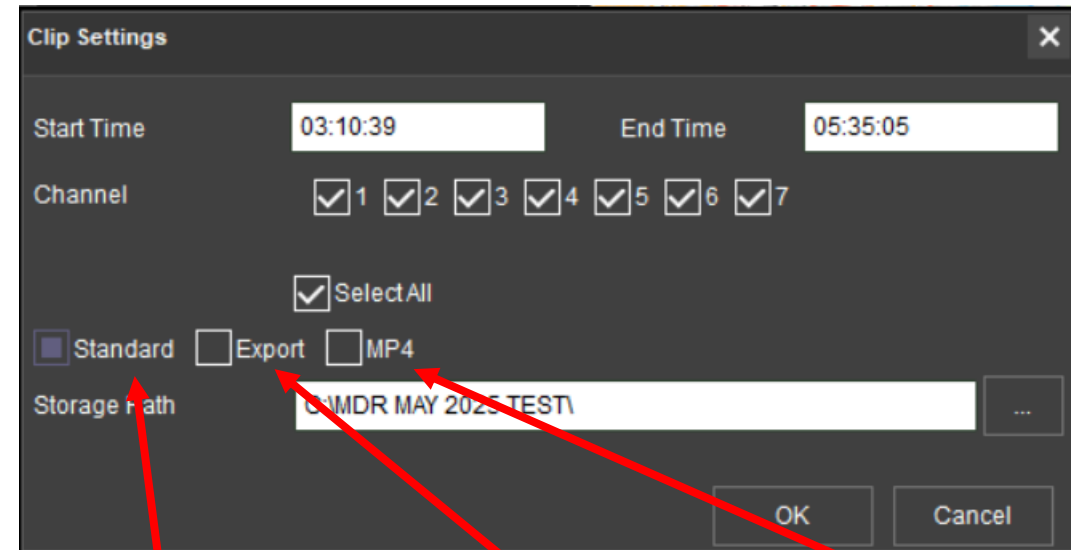
- Arrow 1 points to the 'Start Time' field.
- Arrow 2 points to the 'Channel' checkboxes.
- Arrow 3 points to the 'Standard' format radio button.
- Arrow 4 points to the 'Storage Path' field.
- Arrow 5 points to the 'OK' button.

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Three Format Options to Export Videos (Explained)

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- There are three format options available to you to export your footage into, depending on your requirements.
- The purple box  indicates the current format selected.



Standard

Export

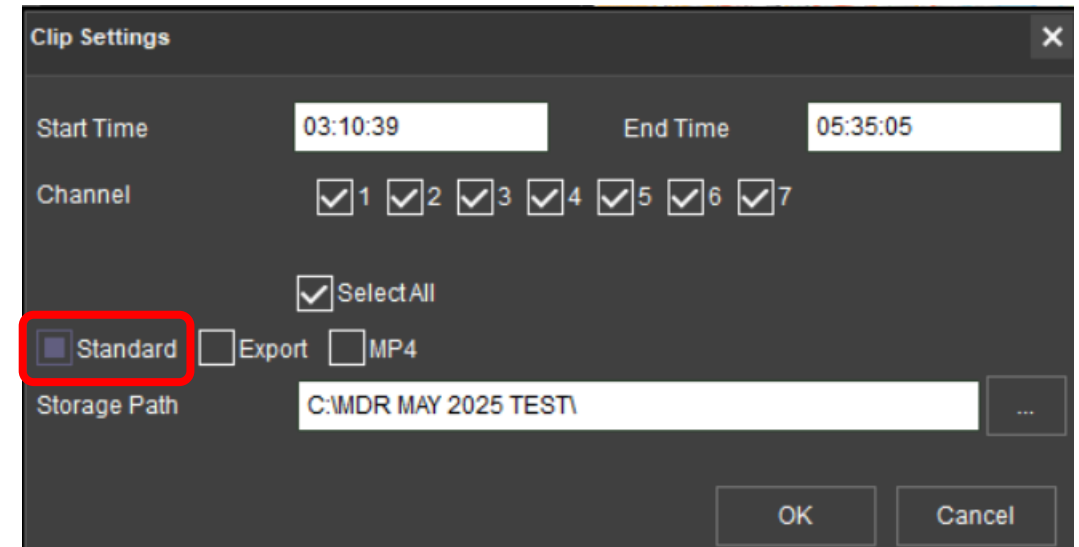
MP4

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Standard Format



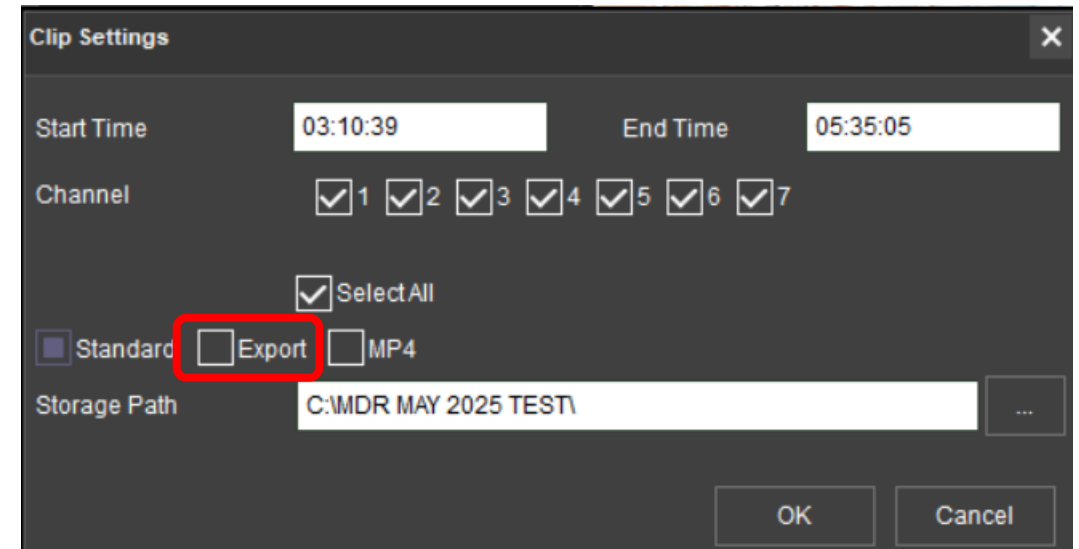
- We recommend using Standard when downloading, for backing up and for sharing with other users who have the MDR Dashboard 6.0 software installed as it clips and creates video files in proprietary format (H.264 or H.265) depends on the MDR settings.
- Standard format also captures raw images and the metadata.



Export Format

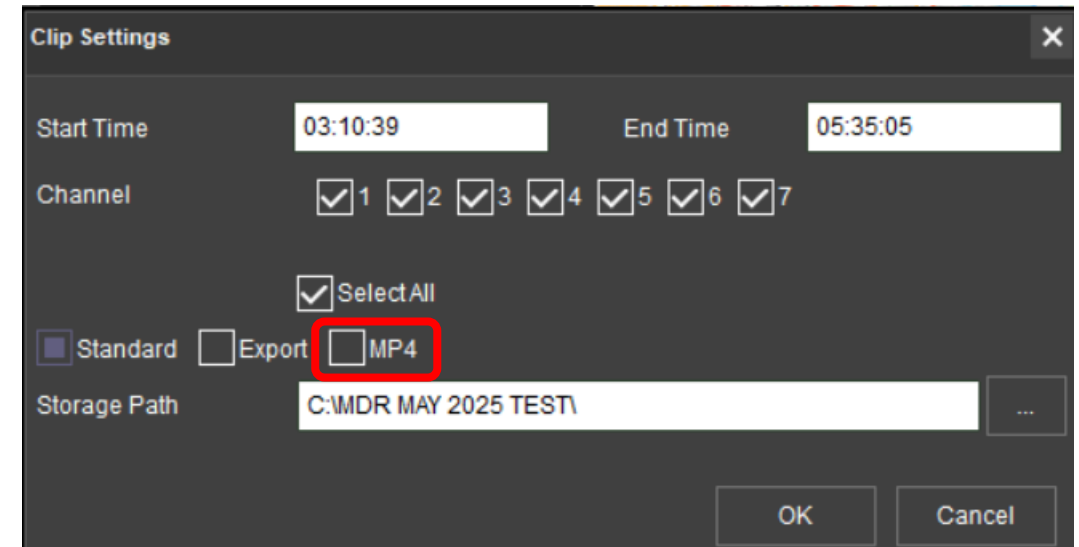


- Exports the footage to a self-run executable file. This means the footage can be played by a third party without the need for Dashboard software.
- For security, a password can be added to the file (recommended but optional).
- **Note:** The file must not be larger than 1.5GB



MP4 Format

- MP4 files are playable by common players such as Windows Media Player & VLC. Each channel is saved as a separate MP4 file so you will be unable to view all channels simultaneously.
- The advantage of this solution is the portability of the format. The disadvantage is the lack of protection and missing metadata information. Files can be played and edited by anyone.
- **For this reason, we do not recommend this option if security is a factor.**
- **Note:** The MP4 format is limited to only 15 minutes duration or less.

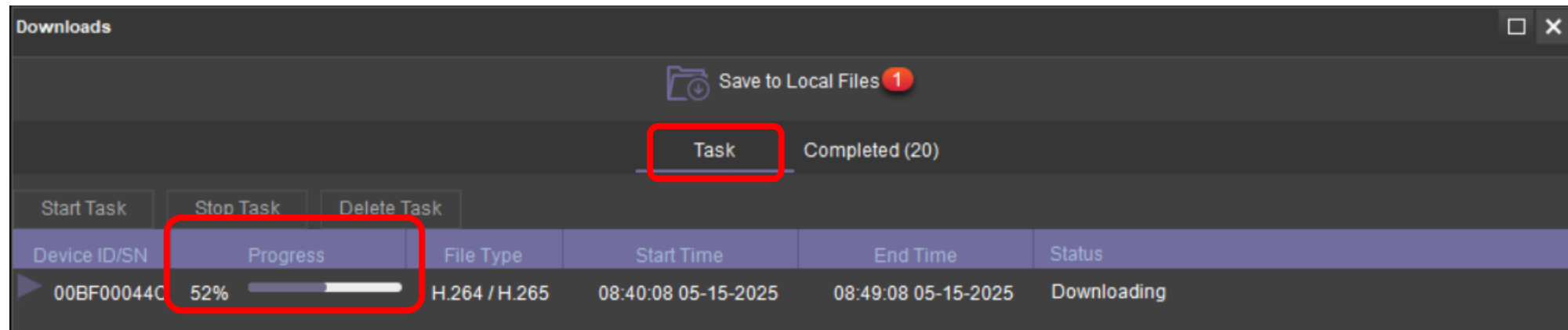


Dashboard 6.0 Downloads (Task)

- Click the “**Downloads**” icon  to view active and historic downloads.



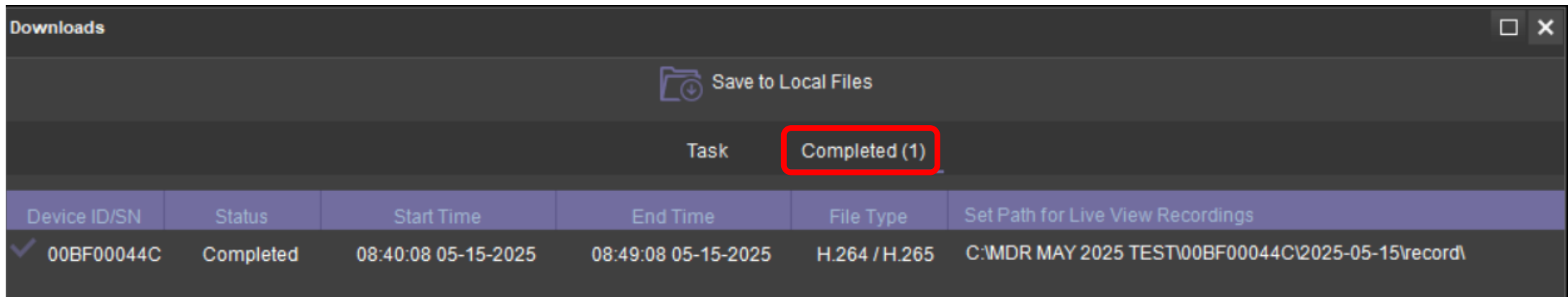
- The **Task tab** (in the red box below), will show the progress of your download.



- The file will save to the chosen storage path selected in the Clip settings.

Dashboard 6.0 Downloads (Completed)

- The Task will automatically move to the Completed tab. You can view this by clicking on the Completed tab (in the red box below).



The screenshot shows a window titled "Downloads" with a "Save to Local Files" button. Below the button are two tabs: "Task" and "Completed (1)". The "Completed (1)" tab is highlighted with a red box. Below the tabs is a table with the following data:

Device ID/SN	Status	Start Time	End Time	File Type	Set Path for Live View Recordings
✓ 00BF00044C	Completed	08:40:08 05-15-2025	08:49:08 05-15-2025	H.264 / H.265	C:\MDR MAY 2025 TEST\00BF00044C\2025-05-15\record\

- Right-click on a completed task and click “Open Folder”. This will automatically open the location you downloaded the data to.

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