



QUICK START GUIDE

Osprey 4K-SVE Encoder | Recorder



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Default Settings

- Video Input SDI
- Encoding Resolution and Frame Rate: 1080P59.94
- Bitrate: CBR @ 10Mbps
- Recording Format: MP4
- Video Segmenting 60 minutes

The Osprey uses an internal SSD drive for backup recording and automatically overwrites the oldest files when capacity is reached (≈75 hours at 10 Mbps).

FIRST USE (No Network Connection)

Connect and Power On: Connect Power (6) → Connect SDI Video Source (4) → Press the Power Switch (9). The **Power | Boot LED (8)** will change from red to blue once boot is complete. The **SDI LED (8)** will turn green, indicating a valid video input.

Set Time Zone: Press **TIME ZONE** button (10).

Set Camera ID: Press **CAMERA ID** button (11)

Up to 20 Camera ID's can be configured using the web UI (see back page)

Insert USB Media: Insert USB Media (2). The **USB LED (16)** will turn solid yellow once the drive is mounted. If the USB drive is not formatted as **exFAT**, it will automatically be formatted after 5 seconds unless aborted.

⚠ Formatting will erase all existing data

Start Recording: Press the **START | STOP** button (7) to begin recording → the **START | STOP LED (7)** will turn Red. MP4 files will be saved to the USB media, with a backup copy stored on the internal drive.

Time Marker: Press the **TIME MARKER** button (15) to log Start and Stop actions associated with each video file → the **TIME MARKER LED (15)** will turn yellow indicating an active event. The events will be saved to a **RECORDING MANIFEST** file on USB and internal SSD (see back page)

*⚠ The external **BUTTON TRIGGER (14)** is synchronous with the **TIME MARKER** button (15)*

Remove USB Drive (Important): Press and hold the **USB UNMOUNT** button (16) and follow the on-screen instructions. Press the button again to complete unmounting.

⚠ Removing the USB drive without unmounting may corrupt recorded video files.

CHANGE SETTINGS USING THE WEB UI

Connect and Power On: Connect Power (6) → Connect Ethernet (1) → Press the Power Switch (9).

The **Power | Boot LED** will change from red to blue once the boot process is complete.

Find the IP Address: Press the **DISPLAY** button (12) until the unit's IP address appears on the display.

Access the Web Interface: On a PC connected to the same network, open a web browser and enter the IP address. Log in **Username:** admin, **Password:** osprey. The credentials can be changed in the web UI - System - Device

Alternate Direct (Ad-Hoc) Ethernet Connection (Optional): The encoder can also be accessed using a direct Ethernet connection to a PC or laptop. Before connecting, disconnect the PC from all other networks (disable Wi-Fi and unplug any network cables).

Additional Settings: Refer to the full user manual for detailed information on all features and configuration options.

TRIGGER SOURCE (Embedded SDI or Button Trigger)

Important: Recording must be stopped for below actions to be valid.

To change the trigger source:

1. Press the **TIME MARKER** button (15) three times, then confirm the change, or
2. Select the trigger source using the **web UI** - System - Device.
3. A single press of the TIME MARKER button (15) displays the current trigger source setting.

△ Only the selected trigger source is active; the other is disabled.

ACCESSING BACKUP FILES FROM INTERNAL SSD

1. Access via ftp: ftp://talon:<password>@<IP Address> (Network connection required). Default password "access". The password can be changed in the web UI - System - Device (FTP Password)
2. Download to USB: Using a PC, create a blank file named <recovery> (no extension) and copy the file to a formatted USB drive. Insert USB drive into 4K-SVE → this will download all video files from the last 24 hours

RECORDED VIDEO FILES AND TIME MARKER MANIFEST

USB Structure: Video Files and Trigger Manifest

Name	Date modified	Type
ch1_SL_20260123-103642_0.mp4	1/23/2026 10:36 AM	MP4 File
ch1_SL_20260123-103747_0.mp4	1/23/2026 10:37 AM	MP4 File
ch1_SL_20260123-103801_0.mp4	1/23/2026 10:38 AM	MP4 File
RECORDING_MANIFEST_SL.json	1/23/2026 10:37 AM	JSON File

Trigger Manifest File:

```
{
  "Action": "Start",
  "Duration": "00:00:03.466",
  "File_name": "ch1_SL_20260123-103642_0.mp4",
  "Time": "2026-01-23T10:36:46.411916-06:00",
  "Trigger_type": "GPIO"
},
{
  "Action": "Stop",
  "Duration": "00:00:08.810",
  "File_name": "ch1_SL_20260123-103642_0.mp4",
  "Time": "2026-01-23T10:36:51.757554-06:00",
  "Trigger_type": "GPIO"
},
}
```

Video File Naming:

ch1_cameralD_date_time_segment number.mp4

Manifest File:

Action: Start or Stop

Duration: Elapsed time after Action event

File_name: Video File to which the action applies to

Time: Time the action was triggered (RFC3339)

Trigger_type: TIME MARKER button (GPIO) or SDI (Embedded)

Catapult and DV Sport automatically recognize the manifest during file import. Video files are then cut or cropped according to the imported manifest.