

Replay Camera TwinCam Instructions

The Traqmate GPS Data Acquisition system can automatically record synchronized video on the popular Replay XD 1080 bullet cameras. The Traqmate will remotely control the Replay cameras by turning them on and off and starting and stopping the video recording along with the data recording. Additionally, the TraqData HD2 interface will charge the cameras while they are connected. These instructions are for adding a second camera and supplement the installation instructions for installing a single camera.

Operating two Replay XD 1080 cameras with the Traqmate is easy and foolproof but it requires some one-time preparation of the cameras. Carefully follow these step-by-step instructions.

Required Equipment

- Replay XD 1080 camera with 0.48 firmware or later (units purchased from Traqmate are so-equipped)
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- TraqData HD2 or TraqSync Pro Interface Module, available from Traqmate
- TwinCam interface splitter and 6" RJ-45 cable
- Two Interface Cables for Replay XD Cameras, available from Traqmate
- Traqmate Complete with 3.40 or later firmware (Display and Sensor Units)
- Traqmate Basic system with 3.40 or later firmware
- TraqDash with 2.40 or later firmware, Sensor Unit with 3.40 or later firmware
- micro SD Cards

Instructions:

1. Determine if your Traqmate has the latest firmware.

Update Traqmate Sensor Unit and Display Unit to V3.40 or later. TraqDash to V2.40 or later.

Instructions and firmware updates are available at this link:
<http://store.traqmate.com/Latest-Software-Firmware-Downloads-s/286.htm>

If you are using a TraqDash, select Race Setup / Vehicle / Vehicle Settings / Camera and choose Replay XD 1080.

If you are using a Traqmate Complete or Traqmate Basic, connect to Traqview V3.40 or later and go to the IO Data tab. Select Camera and then Replay XD 1080 camera type. Save the data to the Traqmate.

2. Determine if your Replay XD camera has the latest firmware.

Units purchased from Traqmate are shipped with the updated firmware.

View the XD1080.txt file found on the micro SD card on your computer. Verify the firmware revision is 0.48 or later. To update the firmware, follow the factory instructions on the Replay XD website.

3. Turn on One Button Record Mode

Units purchased from Traqmate come with this pre-configured.

Edit the XD1080.txt file found on the micro SD card on your computer. This is done by changing the OT:0 line in the XD1080.txt file to OT:1 and changing UPDATE: N to UPDATE: Y. Put the card back in the camera and power up.

4. Operating the Traqmate and Replay Camera

NOTE: It is the user's responsibility to ensure the Replay XD camera batteries are charged and the micro SD cards are inserted and have sufficient free space to record your videos.

Turn on the Traqmate
On Traqmate Complete and TraqDash systems an icon will indicate that at least one camera is properly connected to the TraqData Pro or TraqSync HD2 interface module.

Select a recording mode
TraqDash – Go Racing / Laps
Traqmate Complete – Record Data / Laps
Traqmate Basic – Press Red button or AutoRecord

When GPS signal is acquired and the data starts recording, the Replay cameras will turn on and start recording.

When the on-track session is finished, stop the data recording on the Traqmate.
TraqDash – Press red << Back icon

Traqmate Complete – Press red << Back button
Traqmate Basic – Press Red button or AutoStop

When the Traqmate stops recording data, the Replay XD cameras will stop recording video and turn off.

5. Using Data and Video in TraqStudio

Move Data from Traqmate to PC:

TraqDash – Copy .tqm file from MySessions on SD card
Traqmate Complete – Download using TraqStudio and USB cable
Traqmate Basic – Download using TraqStudio and serial cable
Open data file on PC using TraqStudio. You should see the track map.

Open the video file:

Remove micro SD card from Replay camera and insert into PC slot or SD card reader
Copy video file to PC

In TraqStudio, click on Setup button at top of Dashboard window.
Put checkmark next to Video and select OK.

Select the video matching the data from the DCIM / 100MEDIA folder on the microSD card.

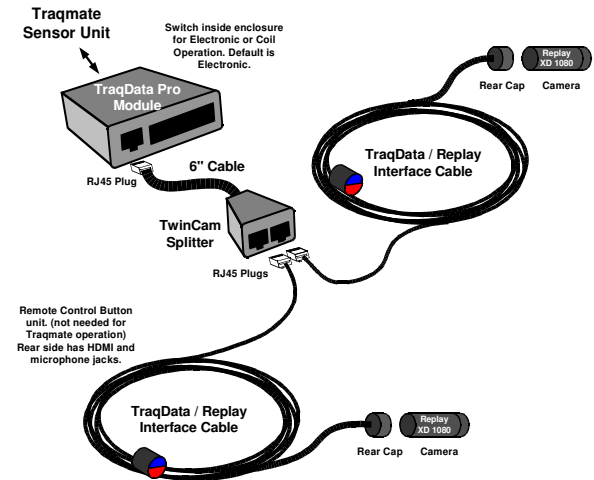
Video should appear in a window. Click the > Play button at the bottom of the TraqStudio window. Press the Show Dash button to see a gauge overlay.

Instructional videos:

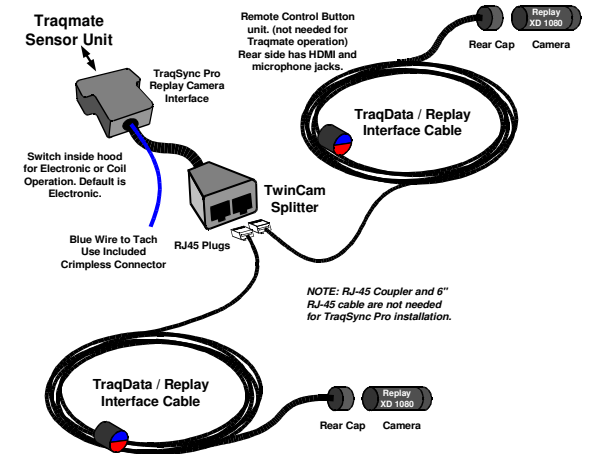
Opening a Data and Video File <http://youtu.be/AP2tZnH4ijc>

Creating a Video <http://youtu.be/zlxNFkVRt7A>

6. Traqmate TwinCam Interface Module Connections



TraqData HD2 Connection



TraqSync Pro Connection