

MYCÄR THINKWARE

Dashcam & Telematic Communication System



F790AIR

COMPLETE INSTALLATION & PROGRAMMING GUIDE

This system must be installed by a professional.

NOTICE

The manufacturer will accept no responsibility for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. Please review the Installation Guide carefully before beginning any work.



TABLE OF CONTENTS

THINKWARE.....	1
PRESENTATION.....	4
APP DOWNLOAD LINKS.....	5
INSTALLATION Type 1 - F790AIR + TGM + Remote Starter.....	6
INSTALLATION Type 1 - System Diagram	9

MYCAR™ 2 (SOLD SEPARATELY)



MC200-01



HRN-MCAR-03



HRN-DRS-03

TELEMATIC GATEWAY MODULE (SOLD SEPARATELY)



TGM-01



HRN-TGM-01

F790AIR



FRONT CAMERA



REAR CAMERA



HRN-DASH-01



REAR CAMERA CABLE

PRESENTATION

The F790AIR is a two-channel premium dashcam developed through a partnership between Thinkware and Automobility. It can operate as a standalone dashcam in the conventional sense, or, when paired with a telematics device, it enables over-the-air transfer of low-resolution videos to a smartphone.

There are (3) three possible installation methods for the Thinkware F790AIR dashcam. Regardless of the installation type, the F790AIR records all events in high-resolution on the onboard microSD card. In configurations where low-resolution videos are transmitted over the air to a smartphone, the high-resolution files remain securely stored locally for full access when needed.

Installation Types

Type 1 – With a Telematics Device and a Compatible Remote Starter

Same as Type 2 + full control of a compatible Remote Starter. Installation and configuration of the Dashcam are managed through the Thinkware Dashcam App, while both video transfer and Remote Starter controls are handled through the Telematics Device App.

Type 2 – With a Telematics Device

Same as Type 1 + will enable low-resolution video transfer to a smartphone over the air. Installation and configuration of the Dashcam are done through the Thinkware Dashcam App, while video transfer is managed through the Telematics Device App.

Type 3 – Standalone

Operates as a conventional dashcam, with installation and configuration managed through the Thinkware Dashcam App.

Low-Resolution Video Event Recording

When paired with a telematics device, the F790AIR can automatically generate and send low-resolution video clips to a smartphone in real time. These clips provide quick access to critical events, while the full high-resolution recordings remain stored on the microSD card of the F790AIR dashcam. Event types include:

Driving Events

Triggered while the dashcam is in Drive Mode. Only impacts of 2G or greater (accident-level severity) will trigger the export of a low-resolution event video. The clip is sent directly to the connected smartphone for immediate visibility.

Parking Events

Triggered while the dashcam is in Parking Mode. By default, Parking Mode is disabled and must be set to Motion Detection to support these events. In Motion Detection mode, only impacts will generate low-resolution videos (simple motion detections will not). Each Parking Event records a 20-second video clip (10 seconds before impact and 10 seconds after impact) from both the front and rear cameras. In alternate low-power Parking Modes, the dashcam remains in sleep mode until triggered, resulting in a 20-second post-impact video only (no pre-impact footage).

Instant View Requests

Allows the user to request a live snapshot video clip from the dashcam at any time. Each request captures a 5-second clip from both the front and rear cameras.

Alarm Events (TBA - release date to be announced)

Automatically triggered when the vehicle's alarm system activates. Supported inputs include a Remote Starter alarm trigger or the Telematics Device alarm input wire (Yellow +). Each Alarm Event records a 5-second clip from both the front and rear cameras, providing immediate context to the security alert.

Low-Resolution Video Transfer Times

Low-resolution video transfer times may vary depending on cellular carrier network conditions and file size.

TGM - Blue/black (+) wire details

The Blue/Black wire (+) from the TGM module (GPIO 6), located in the Black 12-pin connector, is factory-set as a positive (+) output that follows the vehicle's ignition.

The telematic system detects ignition by monitoring the voltage on the Red +12 V power input wire (found in the Black 8-pin connector). When the voltage rises above 12.75 V, the ignition is recognized as ON.

When the vehicle's ignition is turned OFF, the output remains active for approximately 2 minutes 30 seconds to accommodate vehicles equipped with the "Auto Start-Stop" function. After this delay, the Blue/Black output (+) will automatically turn OFF.

APP DOWNLOAD LINKS

To set up and configure the F790AIR dashcam, as well as to view saved high-definition video events, we recommend using the Thinkware Dashcam Link App, available for download from the respective app stores.

Click the respective app store icon below to download the Thinkware Dashcam Link App.



To set up and configure the MYCAR™ 2 Telematics device, access low-resolution video events, and remotely control your vehicle, we recommend using the MYCAR™ 2 App, available for download from the respective app stores.

Click the respective app store icon below to download the MYCAR™ 2 App.

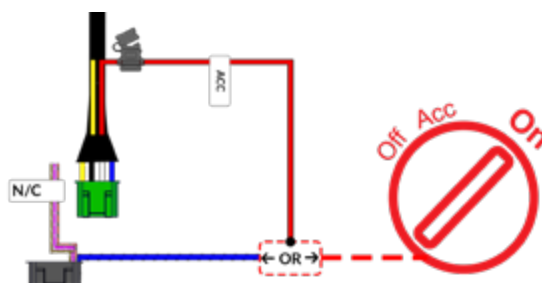


INSTALLATION Type 1 - F790AIR + TGM + Remote Starter

01 - Install the F790AIR dashcam by following the F790AIR User Manual --- [LINK HERE](#)

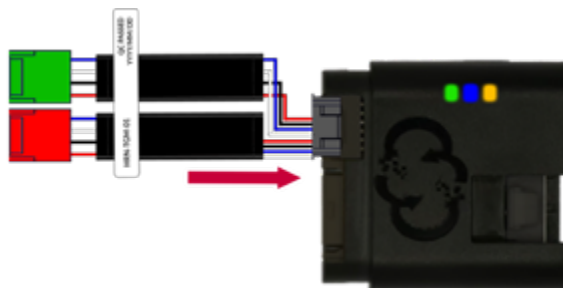
02 - Connect the Yellow (+) wire from the F790AIR dashcam harness (HRN-DASH-01) to a constant +12 volt source on the vehicle.

03 - Connect the Red (+) wire from the F790AIR dashcam harness (HRN-DASH-01) to a switched +12 volt ignition source on the vehicle or to the Blue/black (+) wire from the TGM harness (HRN-TGM-01). See [Page 5](#) for more details on the Blue/black wire.



04 - Connect the Black (-) wire from the F790AIR dashcam harness (HRN-DASH-01) to a chassis Ground (-) on the vehicle.

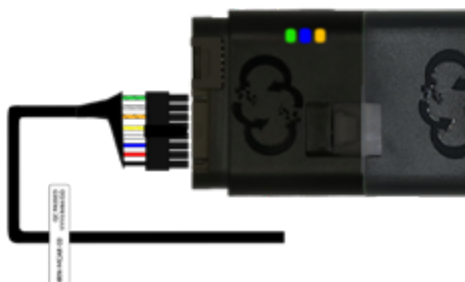
05 - Connect the HRN-TGM-01 harness to the TGM-01 module.



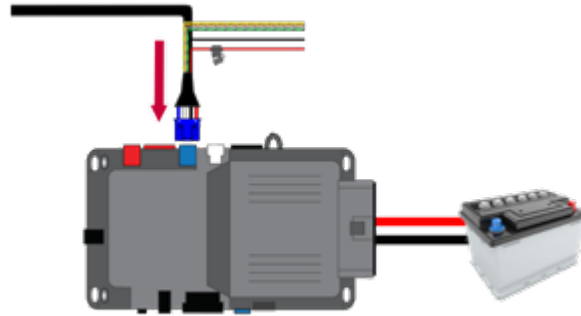
06 - Connect the TGM-01 gateway module to the Telematic device.



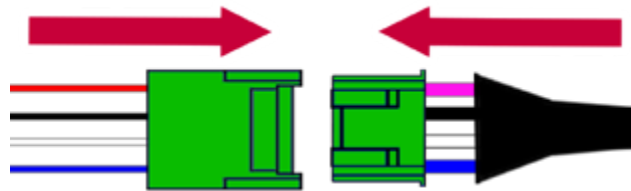
07 - Connect the Telematic device harness (HRN-MCAR-01) Black 8 pin female connector to the TGM.



- 08 -** Connect the Telematic device harness (HRN-MCAR-01) Blue 4 pin male connector to the supported Remote starter module according to the “COMPLETE INSTALLATION & PROGRAMMING GUIDE” for the remote starter installation and protocol setting details --- [LINK HERE](#).



- 9 -** Connect the F790AIR dashcam harness (HRN-DASH-01) Green female 4 pin connector to the TGM harness (HRN-TGM-01) Green male 4 pin connector.



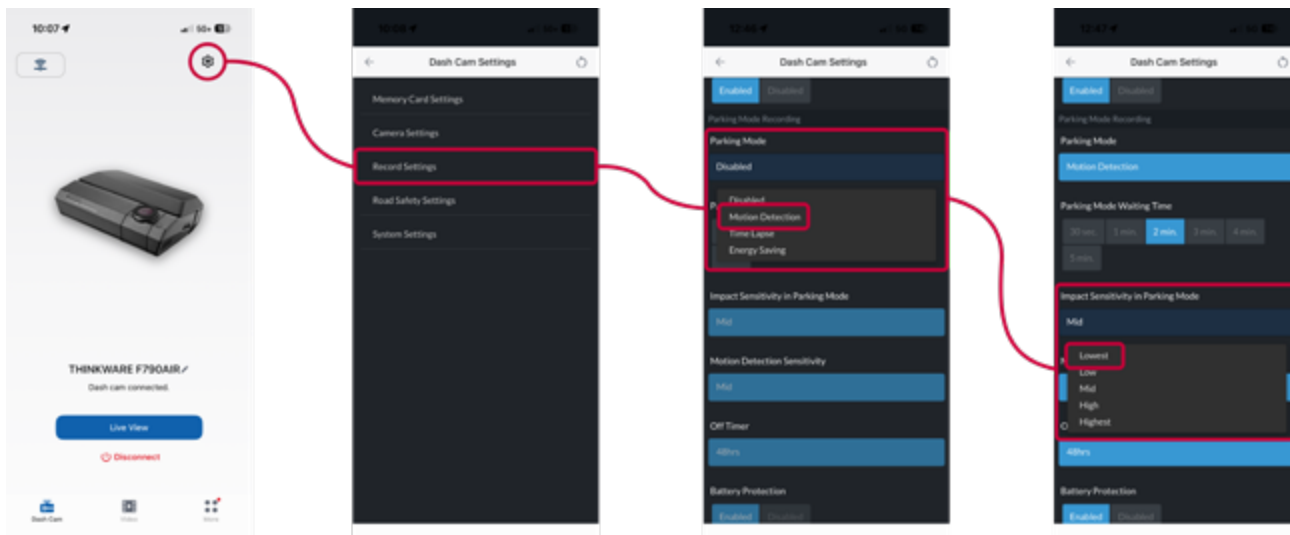
- 10 -** Use the “MYCAR™ 2” App link from [Page 5](#) of this document to configure the remote starter protocol and go thru the install mode.
- 11 -** Once the Remote starter protocol is set, start the vehicle by using the OEM key. Wait for the ignition to come ON and for the F790AIR dashcam to initialize. “Continuous recording will now start” can be heard from the dashcam when it’s initialized.
- 12 -** At this stage, the server has detected that an F790AIR dashcam is connected to the telematics device through the TGM module. The “MYCAR™ 2” app will now prompt an upgrade procedure required for proper system operation.

Depending on the cellular signal strength, this process may take several minutes to complete. Once all required updates have been installed, the “MYCAR™ 2” app will display a “Success” message.

While the upgrade is in progress, you may continue with the steps below to complete the F790AIR dashcam setup.

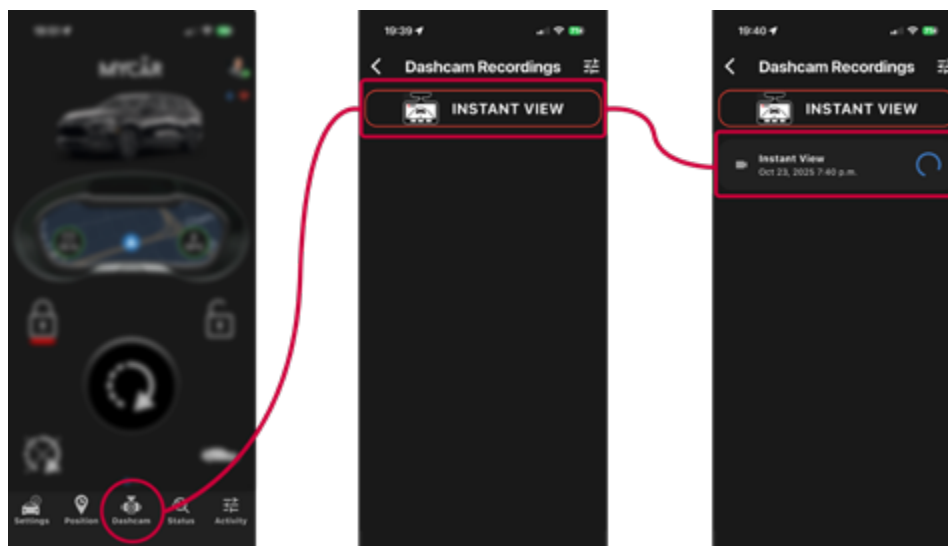
- 13 -** Connect to the F790AIR dashcam by using the “Thinkware Dashcam Link” App from [Page 5](#) of this document to configure all dashcam settings.

- 14** - In order to get Parking Event videos the following setting is recommended inside the F790AIR dashcam.
- Go to “Settings”, then “Record Settings”, select “Motion Detection” and set sensitivity level to “lowest”.



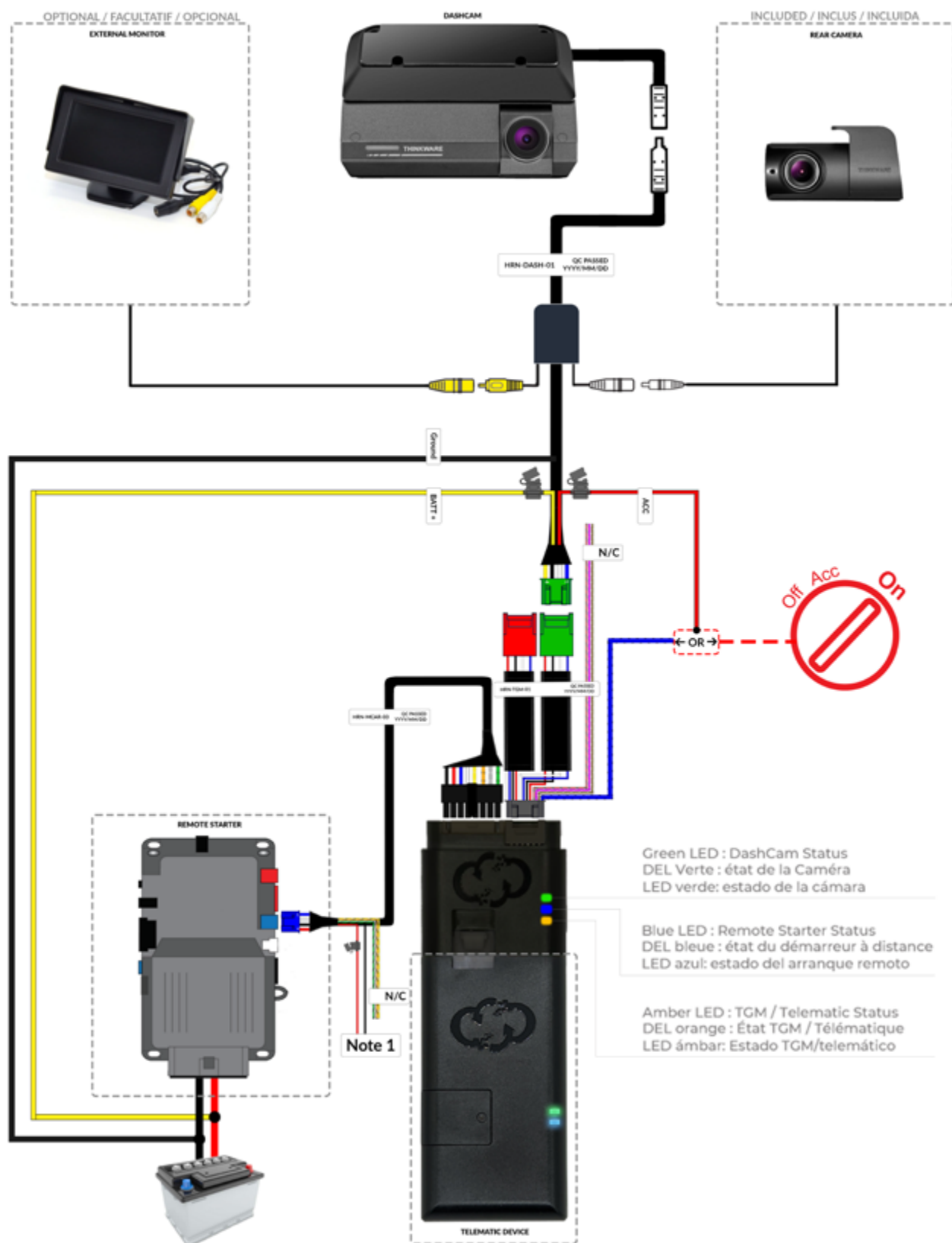
- 15** - You may change any other desired setting inside the F790AIR dashcam.
- 16** - Follow the F790AIR User Manual to calibrate and adjust both front and rear cameras of the F790AIR system --- [LINK HERE](#). Once completed, you may close the Thinkware Dashcam Link app and turn the vehicle's ignition to the OFF position.
- 17** - Once the F790AIR has been set up correctly and all updates have been successfully installed as described in Step 12 on the previous page, you may test the remote starter functions and dashcam video upload by using the “MYCAR[™] 2” app.
- 18** - When the F790AIR dashcam is in “Parking mode” a simple tap on the front camera housing will trigger a Parking video. Follow the prompts on the “MYCAR[™] 2” app to download and view the dashcam parking video.

You may also request an “Instant View” video. This can be requested via the Dashcam section of the “MYCAR[™] 2” app.



- 19** - Once all tested, the installation is complete.

INSTALLATION Type 1 - System Diagram



NOTE 1 : See the "COMPLETE INSTALLATION & PROGRAMMING GUIDE" for remote starter/telematic connections.

MYCAR

AutoMobility

400 Wright st.
Ville St-Laurent, Quebec
H4N1M6 - CANADA

©2025 Automobility Distribution Inc. All rights reserved.