Carpe Iter Pad v4b Manual

Kit for Fantic XEF Rally MY2023

v1.1
November 22, 2022

Applicable models: v4b ("**Device**" or "**CI Pad**")

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1. General description

1.1. The Device is Android powered smart device, which is able to run most applications designed for the respective Android generation;

1.2. Please refer to technical specifications of your model on our website for more detailed description of the Device's features and abilities.

1.3. The Carpe Iter items described in this Manual were designed specifically for Fantic XEF Rally MY 2023 ("**Fantic XEF Rally**") and **are intended to work as a complete kit**. Especially the instructions for Holder and power source installation are not applicable to other Carpe Iter equipment.

2. Accessories

2.1. Standard accessories for CI Pad:

2.1.1. cloth pouch with shoulder strap;

2.1.2. USB-A to USB-C adapter;

2.1.3. SIM card adapter;

2.1.4. wall USB charger (EU socket);

2.1.5. M8 charging cable with dust cap for M8 charging connector. The M8 charging cable mates with our proprietary 12V power source for use on vehicles with 12VDC electrical system. One power source is included with our Carpe Iter Holder and can also be purchased separately,

2.1.6. Dust cap for M8 charging connector.

2.2. Carpe Iter Holder ("**Holder**") for motor vehicles, especially motorcycles. Non-charging version of the Holder is included in the kit. CI Pad can be charged via the M8 charging able from the proprietary power source, which comes as part of the kit.

2.3. Brackets to retain the M8 charging cable.

2.4.  If you purchased charging version of the Holder separately, please refer to user manual for standard Carpe Iter equipment (available for download on Carpe Iter website) for installation and use instructions. This manual only relates to specific items delivered as part of the kit made specifically for Fantic XEF Rally motorcycles.

3. Before first use

3.1. Before first use, charge the Device to at least 50% battery capacity with the provided USB wall charger;

3.2. Connect the Device to internet;

3.3. Open pre-installed Carpe Manger app and install / update at least the following:

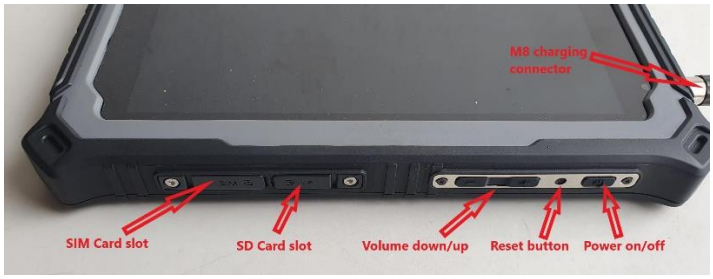
3.3.1. "Manager app";

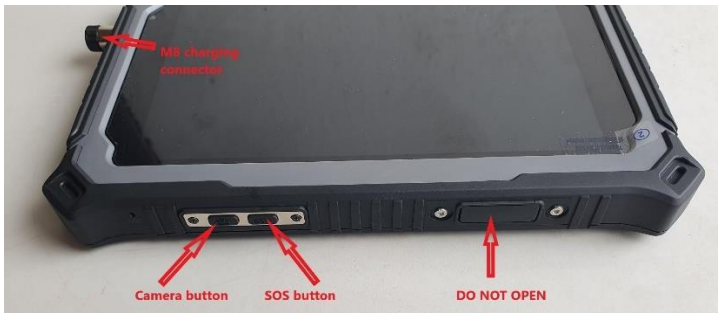
3.3.2. "Controller app";

4. Controlling elements, ports

4.1. The Device contains capacitive multi-touch enabled screen and hardware controlling elements (buttons).

4.2. Hardware elements description/use limitations:





4.3. ⚠ USB-C port has OTG (on-the-go) functionality and can be used to charge the Device with the provided USB wall charger and to transfer data from or to the Device from a compatible computer. **Do NOT use third party quick chargers**.

4.4. ⚠ Access to USB port, SIM and SD card slot and audio jack is protected by flaps. Those flaps **must be properly closed to achieve water and dust resistance**. Closing the flaps incorrectly will damage them when inserting the Device into the Carpe Iter Holder ("**Holder**"). Do not use sharp object to open the flaps – it will damage the seal embedded into the flap and compromise water resistance and allow dust and debris to enter the Device, which will result in damage to the Device. Such damage is not covered by our defect warranty. **Port flaps are available as spare parts** – replace as needed to ensure proper port closure.

4.5. For proper flap closure refer to graphics:

4.6. When closed properly, the port flaps will be completely flush with the Device's body. It might take some force to push them into correct position.

4.7. Do not use sharp objects to open the port flaps or you will damage the seal and compromise water resistance.

4.8. Correct SIM and SD card orientation:

4.9. The SIM and SD card must lock into position – push deeply into the Device until you hear a click. Do no use a sharp object or you might damage your SIM/SD card or the port.

4.10. When the M8 charging cable is not used, always screw back the M8 charging connector cap firmly or water resistance of the Device can be compromised. Closing caps are available as spare parts.

5. Use – Android general tips

5.1. The Device is powered by Android operating system. In case you use Android powered smartphone, the environment should be familiar to you.

5.2. For general Android guide refer here: https://support.google.com/android/?hl=en#topic=7313011

5.3. Google Play:

5.3.1. Recommendation: use GPS and let the Device achieve 3D position lock before you sign into your Google account (that will let Google choose the correct version of their apps based on your location);

5.3.2. the Device has been pre-certified with Google. To use Google Services (and Play Store), simply log into your Google account;

5.3.3. you might need to let the Google apps to update, before you will get full use of Google Play Store app. To check for updates, open Play Store app and before you sign-in, open the Overflow Menu (three dots top right corner) and select “Check for updates”:

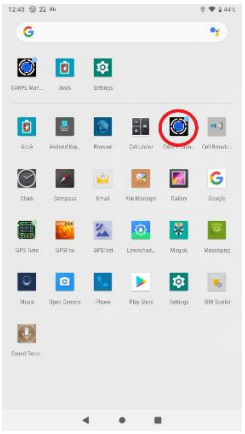
5.3.4. you can use the same Google account on the Device, which you use on your Android smartphone. That will let you enjoy apps you might have already purchased also on the Device (subject to operating system compatibility and subject to other limitations Google might chose to impose on your purchases).

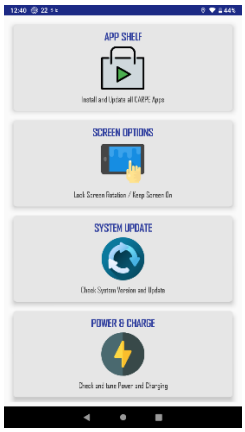
5.3.5. It might take a while, before your previous purchases appear as available for download. In exceptional cases, you might need to clear the cache for both Google Services and Google Play Store apps, perform manual Google apps update and sign into your Google account again (refer to Google Certification manual on our Support web page).

6. Use – Carpe Iter specifics

6.1. CI Pad automatically starts when it is connected to power (USB wall charger, Holder/M8 charging cable).

6.2. The Device comes with pre-installed Carpe Manager app (“Manager app”):





6.3. The Manager app provides additional functionality and is used to download software specific for the Device and its updates. Please refer to our web pages for details.

6.4. It is essential to regularly check the Manager app for updates and new downloads available for the Device. These updates might not only enhance functionality, but also remedy known issues.

7. Charging/Battery Indicator

7.1. The Device can be charged via it's USB-C port, charging pads on the back of the Device and M8 connector.

7.2. The Device will automatically start, when power is detected on charging input. **The feature is conditional to sufficient battery level** (the device will not start automatically, if the battery is depleted at the time power was detected on charging inputs).

7.3. Use the provided USB wall charger to charge the Device through the USB port. **NEVER use other brands quick USB chargers (especially quick chargers can damage the USB and charging circuitry)**.

7.4. For charging the Device on your motorcycle, you must use **M8 charging cable with the specific version of Carpe Iter proprietary power source included in the kit**. Using any other power source will void your warranty. Do NOT replace the connectors between the Holder / M8 charging cable and the power source nor otherwise interfere with the wiring. Re-wiring the connection between the Holder / M8 charging cable and the power source will void your warranty.

7.5.  NEVER charge the Device via USB and M8 charging connector simultaneously. NEVER charge the Device via USB and Holder simultaneously.

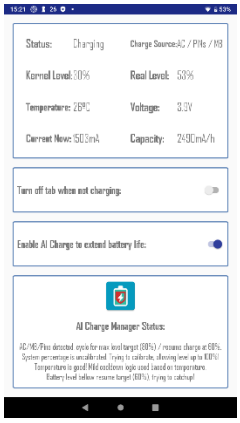
7.6.  USB-C port must not be used, when the Device is employed on a motorcycle (except when stationary with engine off). The shocks and vibrations the Device will receive when riding would damage the USB port and opening the USB port will compromise water and dust resistance of the Device.

7.7. The Device charging capacity is limited to approximately 2A. If too many services are running on the Device, the current consumption might exceed the charging capacity, which will result in gradual battery level decrease, even when charging. Almost 70% of charging

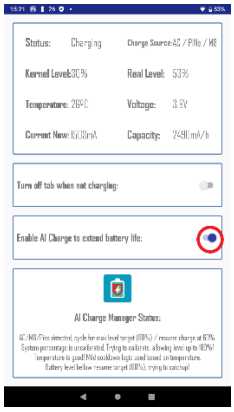
capacity is drawn by the LCD when set to full brightness. In case of increased requirements on energy consumption reduce LCD brightness.

7.8. The Device's charging capacity is more than sufficient for casual use (LCD to full brightness, GPS on, one actively running navigation application with track recording).

7.9. CARPE Manager app will automatically cycle the battery between 60-80% when charging via USB wall charger, Holder and M8 charging cable. It will take in consideration your battery level, temperature, calibration accuracy, system load input current and screen brightness to adjust the charging in more than 40 possible combinations. Under certain conditions charging to 100% will be automatically allowed by the charging algorithms, such as in case the battery level indicator needs calibration (see Section 7.12).



7.10. The power management can be turned off by disabling AI charging algorithms, which will allow charging to 100% capacity (it is not recommended to keep the Pad charged to 100%, since it can cause premature battery failure and overheating):

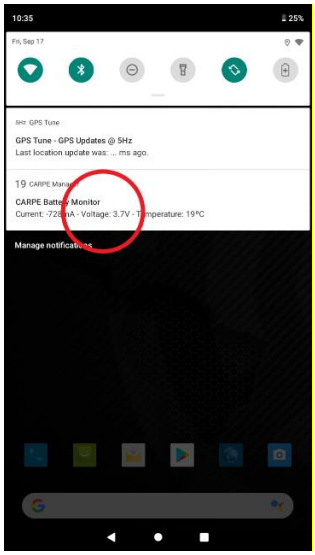


7.11. System battery level indicator (battery level shown on main screen) is for orientation only. It may be necessary to calibrate the battery level indicator from time to time to achieve accurate readings (refer to Troubleshooting section). Regardless of the values shown by the System battery level indicator, the real battery voltage is the only relevant criteria for the Device's operation (even when the System battery indicator is showing 1%, the Device will not shut down until the battery voltage goes down to 3,5V).

7.12. The Carpe Manager app will attempt to calibrate the system battery level indicator at times the deviation from real capacity will exceed acceptable parameters. The calibration process

may take a few minutes. During the calibration, the battery level indicator can show various values, but they will settle after completing the calibration procedure.

7.13. Real battery level can be verified in the Manager app - Power&Charge (refer to Section 7.9) or on the System pull down menu:



7.14. System battery level will not be equal to voltage level most of the time. This is normal (System battery indicator is not linear to voltage level).

7.15. Voltage of fully charged battery after disconnecting from charger will be around 4,2V. Voltage of fully depleted battery is 3,5V. When the voltage level of the battery meets 3,5V or drops below, the Device will automatically shut down to prevent damage to the battery.

8. Operating conditions / instructions

8.1. The Device is not designed to be placed on your vehicle permanently. When not in use, remove the Device from your vehicle and store it in a safe place with temperature between 0 – 35°C.

8.2. The Device should not be operated outside ambient temperature range between 0-40°C or the battery contained in the Device or it's electronics can be damaged. The Device has temperature protection system, which might cause the Device not to start or shut down automatically, when the operating temperature range is exceeded. This automated protection system is only a fail-safe and does not relieve you of the need to ensure yourself correct operating conditions.

8.3. Considerable heat is generated by the Device's LCD and when charging. When high ambient temperatures are present, overheating might be prevented by reducing LCD brightness and/or disabling charging. While charging on the motorcycle, the Device will attempt to cycle between 60 and 80% battery capacity, which not only preserves the battery, but also reduces the chances of overheating (the charging algorithms might attempt to reach 100% battery capacity in a particular case, if full battery charge is required to calibrate battery level indicator and/or the temperature and other conditions allow that);

8.4. If you need to use the Device in sub-zero temperatures, make sure the Device is not thoroughly cooled below 0°C before you start it (do not leave it on the bike). During use,

heat is generated inside the Device, so use in sub-zero temperatures is possible. Never use the Device below minus 5°C (the heat generated by the Device's operation might not be sufficient to ensure minimum operating temperature).

8.5. Protect the Device from heat sources that could cause the temperature inside the Device exceed the operating parameters mentioned above.

8.6. When your vehicle is stationary, protect the Device from direct sunshine, which can cause the internal Device's temperature to rise well above the ambient temperature (remove it from the Holder or cover it).

8.7. Long term exposure to sunshine can cause LCD fading (such fading is not considered a defect).

8.8. While riding in wet conditions (e.g. rain), protect the Device from direct airstream (position it behind a wind shield / mask). At high speeds, the rain will create pressure equal to jet water, which exceeds the Device's protection rating.

8.9. When the Device is not in use, power it off to prevent complete battery depletion. The Device will power down automatically when the battery is close to depletion. Nevertheless, the Device still consumes small amount of energy even when in OFF state, which could lead to deep battery discharge, if the Device were powered down at low battery level or even powered down automatically because of depleted battery. Battery will be damaged or destroyed by deep discharge. To prevent battery damage, ensure that a depleted battery is re-charged immediately to at least 50% capacity.

8.10. If the Device is not in use for longer periods of time (more than 1 week), make sure the battery is charged to at least 60% before it is powered down.

8.11.  Protect the charging mating pads on the back of the Device from touching electrically conductive material / liquids or the Device might be short-circuited (and destroyed as consequence).

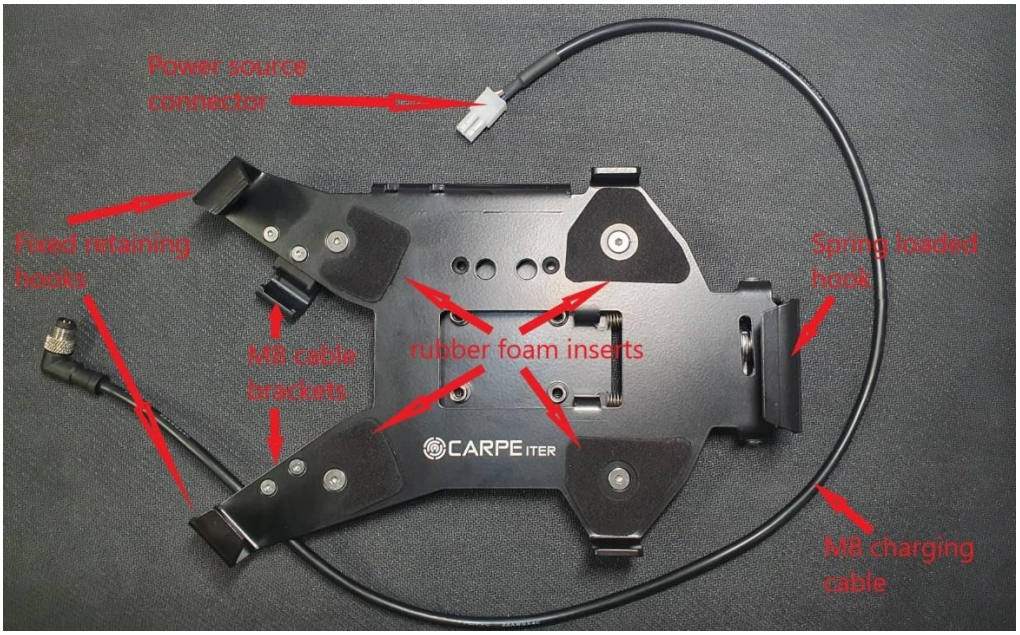
9. Carpe Iter Holder

9.1. The Carpe Iter Holder is specifically designed for the Device. Do not use the Holder for any other equipment than the Device.

9.2. The Holder will ensure secure mounting of the Device.

9.3. The Holder includes a power source that was designed specifically for the Device. **DO NOT use the power source to power any other equipment than the Device**.

9.4. Description:

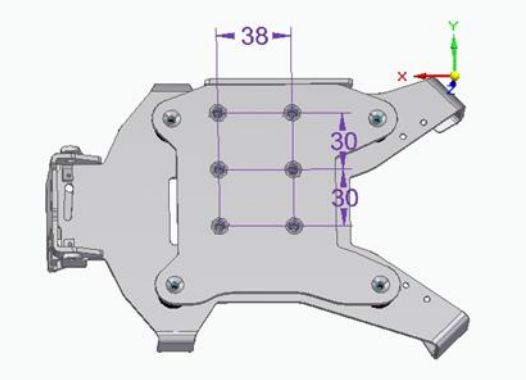


9.5. Holder installation requires at least basic mechanical and electrical skills. If you are in doubt, have the Holder installed by a professional workshop.

9.6. Mounting the Holder

9.6.1. The base plate of the Holder contains 6 nuts for M5 screws.

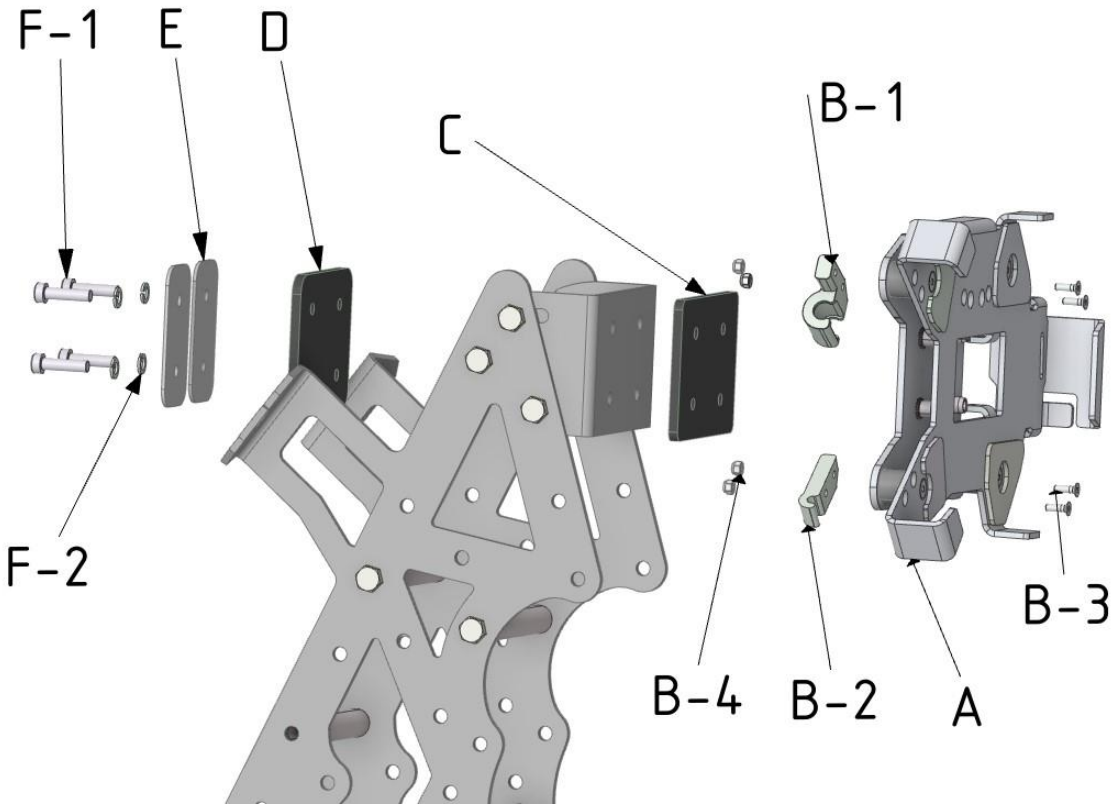
9.6.2. The mounting nuts create a standard AMPS hole pattern (30x38mm) in the landscape orientation.



9.6.3. The Holder must be mounted by at least 4 screws forming a rectangular shape to ensure stability and vibration resistance.

9.6.4. Whenever possible, mount the Holder as close to its centerline as possible (i.e. use mounting nuts in the center, not on the edge of the base plate).

9.6.5. The Holder is to be mounted on Fantic EXF Rally stock tower in the following fashion:



Description:

A: Holder

B-1: bracket for M8 Charging cable – connector retaining side

B-2: bracket for M8 Charging cable – cable retaining side

B-3: M3 screw – 4x

B-4: M3 self-locking nut – 4x

C: rubber mat 78x60mm

D: rubber mat 72x60mm

E: stainless steel backing plate – 2x

F-1: M5 screw

F-2: locking washer

9.6.6. Do not torque screws marked as F-1 too much, or the rubber dampening mats will lose their function. The rubber mats must not be compressed as much as to lose their dampening function.

9.6.7. It is imperative that Holder is mounted in such a way that engine vibrations and shocks from road are kept to minimum. Excessive vibrations and shocks in the Holder might cause a premature failure of the charging pins and / or of the Device. This applies especially, if you plan to use the Holder and the Device off the paved roads.

9.7. Inserting Device into Holder

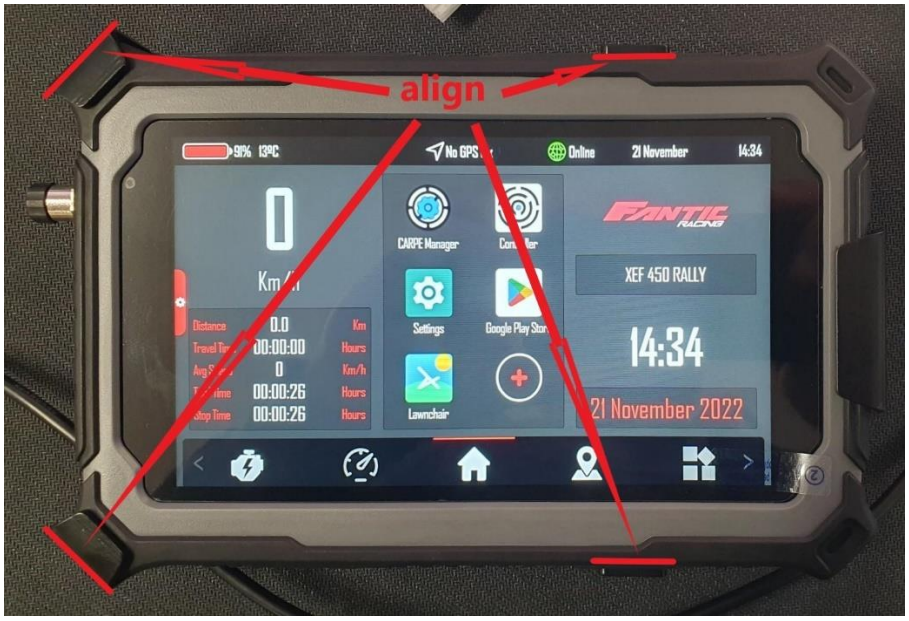
9.7.1. Correct Device placement / orientation in the Holder (M8 charging connector is facing away from the spring-loaded retaining hook):

9.7.2. Never put the Device into the Holder in any other orientation than indicated above. It will damage hardware buttons.

9.7.3. Correct Device inserting procedure:

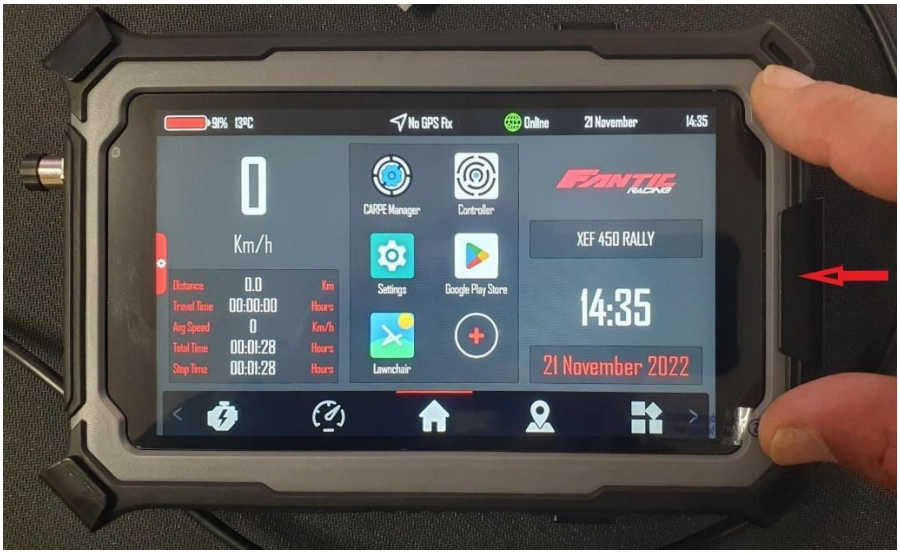
9.7.3.1. **Close all port flaps properly** (see Section 4.5 and 4.6). If the flaps remain even slightly open when you insert the Device into the Holder, they will be damaged.

9.7.3.2. Open the spring-loaded retaining hook with one hand. With the Device slightly lifted, push the Device gently into the fixed retaining hooks with the other hand:



9.7.3.3. Make sure the Device is properly aligned with the locating elements on longer sides of the Holder;

9.7.3.4. Press the Device gently into the Holder. Close the spring loaded retaining hook:



9.7.3.5. If the Device was properly aligned and all port flaps are properly closed, very little force is required to insert the Device into the Holder. If the Device cannot be inserted into the Holder easily, check the Holder for bends, check the Device for proper alignment, check that port flaps are closed properly and try again.

9.7.3.6. using the lock in the Holder is optional (the Device will not fall out of the Holder even when the lock is not engaged).

9.7.4. When properly inserted into the Holder, the Device will not **freely** move within the Holder. **DO NOT use force** to check, if the Device is too loose in the Holder (you

might bend the Holder and/or damage the charging pins). If you feel the Device is loose in the Holder, check the Holder for bends, check rubber foam inserts for excessive wear. The rubber foam inserts are available as spare part. If the Device is too loose in the Holder, it can cause premature failure due to excessive vibrations and shocks.

9.8. Maintenance

9.8.1. Regularly check for loose screws and torque them as required;

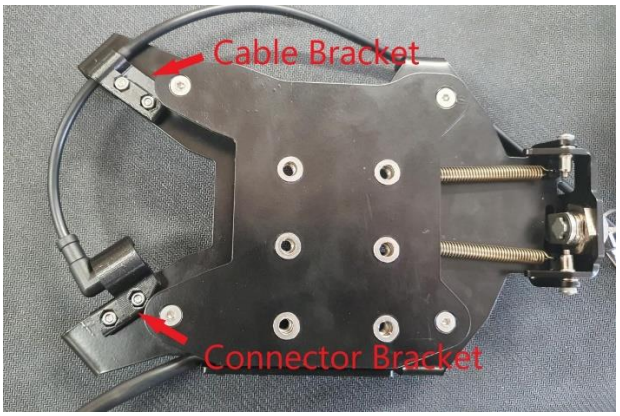
9.8.2. Regularly check the Holder for bends (especially after a crash). Bent Holder might not ensure secure retention of the Device;

9.8.3. All rubber and plastic parts are considered a consumable – to retain proper function replace when necessary. All those items are available as spare parts.

10. M8 Cable brackets – installation

The graphics shown in this Section relate to generic Carpe Iter Lightweight holder. The holder for your motorcycle is designed to be rotated by 180DEG, but the procedure to mount the M8 charging cable is otherwise identical.

10.1. Description

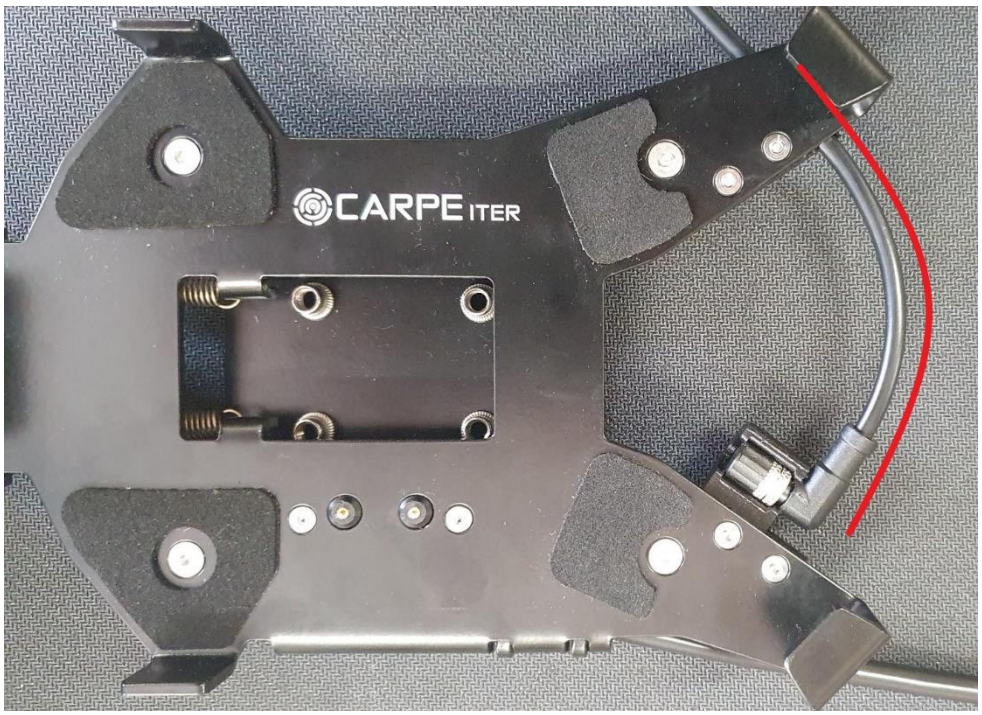


10.2. Mount both brackets in orientation as indicated on the picture above using the provided mounting hardware (M3x10 bolts and M3 nuts with nylon insert). When mounting the Cable bracket, insert the M8 charging cable before you insert the bolts.

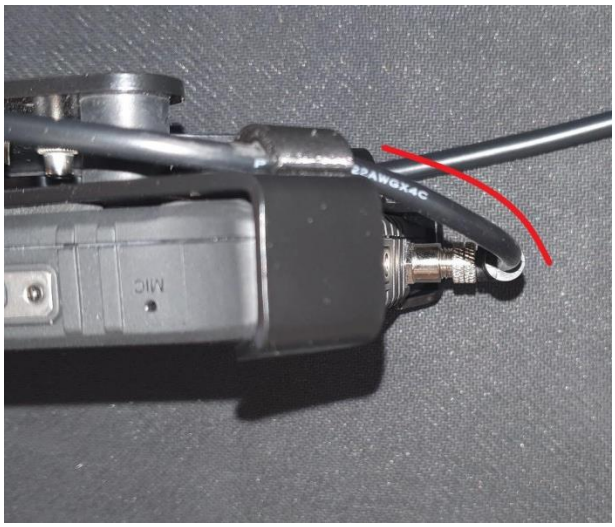
10.3. Only torque bolts on Connector Brackets. Do not overtighten.

10.4. Leave bolts on Cable bracket loose at this stage.

10.5. Place the connector on the M8 charging cable into the Connector bracket and position the cable in a relaxed arch as shown on the graphics below. Tighten bolts on Cable brackets slightly so that you can still move the cable by hand.



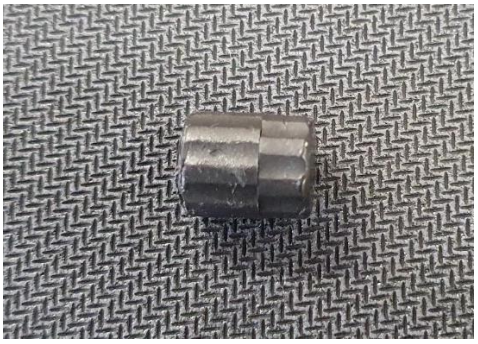
10.6. Verify the position of the cable by inserting the M8 charging cable connector in CI Pad M8 charging connector. Make sure the free length of the cable allows for a relaxed arch as shown on the graphics below – adjust the free length as required by pulling the cable through the Cable bracket in one or other direction. When the free M8 charging cable length is correct, it will form a relaxed arch as show on the graphics below. The cable **must not** strain the CI Pad M8 charging connector in any direction.



10.7. If the M8 charging cable was positioned correctly in the Cable bracket, its free length will allow for easy insertion of the connector into the Connector bracket without straining the cable in either direction.

10.8. Torque screws on Cable bracket.

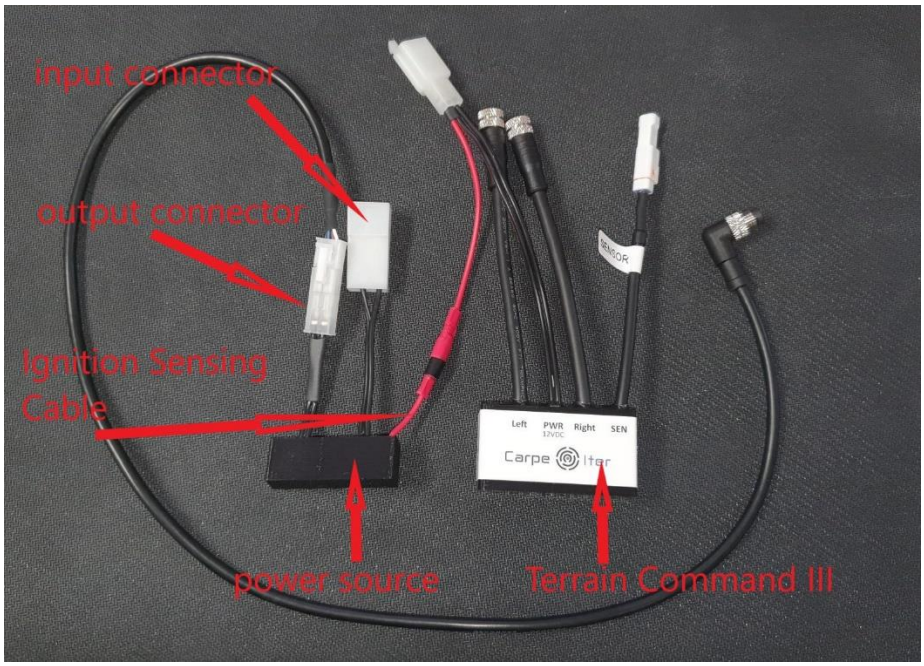
10.9. The Connector bracket can store both the cap for CI Pad M8 connector and cap for M8 charging cable. Screw both caps together before storing them in the bracket to prevent debris collecting inside the caps.



11. Power source

11.1.1. **The CI Pad must never be connected to a power source with higher voltage level than 5,5V VDC (direct current).** CI Pad must not be powered by other than the provided USB wall charger or the Carpe proprietary power source. Failure to follow these instructions will void the warranty.

11.1.2. The power source is equipped with auto-switching function, which is linked to ignition. For proper function, the Ignition Sensing Cable must be connected to the corresponding socket in Terrain Command III wire harness (Terrain Command III comes as part of the kit). Please refer to the graphics:



11.1.3. The power source will start within 30 seconds after ignition is started and voltage exceeding 5V is detected on the Ignition Sensing Cable (the "**Switching**

Threshold"). Once the power source starts, operating current is drawn from the input connector. The input connector is designed to mate with corresponding power outlet on your motorcycle.

11.1.4. Green LED indicates active state of the power source. Active state is triggered by voltage exceeding Switching Threshold in the Ignition Sensing Cable and simultaneously power being available on the input connector (both connectors must be connected for proper operation.

11.1.5.  Do NOT start ignition on your motorcycle before connecting both the Ignition Sensing Cable and input connector.

11.1.6. The power source will switch-off automatically when ignition on your motorcycle is turned off to prevent motorcycle battery drain.

11.1.7. Before you start charging your vehicle's battery disconnect the M8 charging cable from the Device.

11.1.8. The power source includes reverse polarity and over-heating protection. It will only provide overvoltage protection up to 20VDC on input (maximum voltage rating). Exceeding the maximum voltage rating will destroy the power source and, as a consequence, might also destroy the Device.

11.1.9.  DO NOT change the stock connectors on the power source's output leads. Any tempering with wires and connectors on the output will void your warranty for both the Holder and the Device and we will NOT provide any assistance with debugging possible issues in such case.

11.1.10. It is recommended that you apply electrical contact grease on all connectors between M8 charging cable and power source and between the power source and your motorcycle.

11.1.11. The power source can be operated in ambient temperatures up to 60°C. The output current generated by the power source might decrease, when ambient temperature exceeds 50°C. Do not place the power source close to your vehicle's engine or cooling radiators, or overheating can occur.

12. Troubleshooting

12.1. Software issues:

12.1.1. If the Device is malfunctioning or you are experiencing application crashes or hangs, reboot and/or reset the Device (press Reset button);

12.1.2. If the unwanted behavior does not improve, perform Factory reset (this will, however, wipe all your data and delete all installed applications) or follow instructions given by Carpe Tech support. Support ticket can be filed here: https://carpe-iter.com/support/ticket/

12.1.3. If the issue concerns a third party app, contact the application developer and report the problem (third party applications are beyond our control and most issues require to fix a bug contained in that third party application);

12.1.4. If the crashes or other unwanted behavior relates to Carpe Iter applications, file a Support Ticket on our website (https://carpe-iter.com/support/ticket/).

12.2. GPS does not lock position within 10 minutes:

12.2.1. reboot the Device;

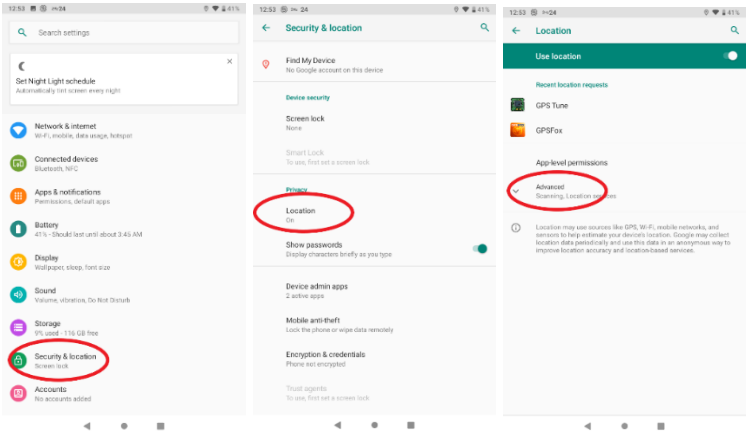
12.2.2. connect to the Internet so that the Carpe Manager can download GPS assist data. Alternatively, wait 15-20 minutes for the GPS chip to download assistance data from GNSS satellites automatically;

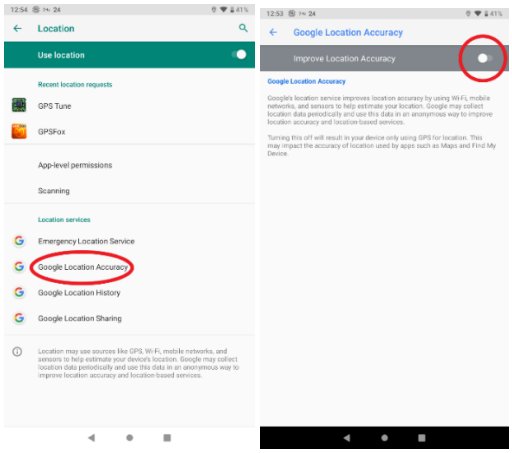
12.2.3. if you disabled Location services in System settings, enable Location services and **reboot the Device** (rebooting is necessary after cycling Location services disable/enable);

12.2.4. achieving position lock requires that GNSS satellites are in view and not obstructed by materials/structures impenetrable by the satellites' signal. Therefore, positioning services will not be available inside most buildings and may be compromised by difficult conditions, such as deep valleys or streets surrounded by tall buildings (city canyons). When performing a GPS position test, go outside where there is a good sky-view. First position lock after longer period of idle or after significantly changing location after last position lock might take longer time, especially if the Device is not connected to internet (up to 10 minutes to achieve first position lock. Subsequent position locks should be much faster). If position lock is not achieved under the aforesaid conditions, contact our support team;

12.3. GPS position lock is unreliable (real location is far off or is "jumping"):

12.3.1. Turn off Google Location Accuracy improvement (it actually does not improve position in many cases / not reliably):





12.3.2. Make sure you have good sky-view (location accuracy might degrade in difficult terrain, such as deep valleys, steep slopes, high surrounding buildings, …);

12.3.3. Make sure the GPS antenna is not covered. When the Device is in Portrait, make sure the antenna is facing up:

12.4. Device does not start:

12.4.1. make sure the Device is charged. Connect the Device to the provided USB wall charger. The Device will automatically start when connected to charging. If the charging icon does not appear within 3 hours of charging (the battery might be deeply discharged and it will take time for it to exceed minimum voltage threshold), disconnect from the charger and contact customer support;

12.4.2. press Reset button and power up CI Pad again;

12.5. Device shuts down immediately after starting: battery is depleted - charge it;

12.6. Device shuts down immediately after starting even when connected to charging: battery is depleted. Keep the device connected to charging and immediately after system boots reduce screen brightness or turn screen off (short press on Power button) – LCD drains a lot of power, which causes the battery to drop below minimum voltage operating threshold and subsequent automatic shut-down.

12.7. Device does not charge (charging is NOT indicated on the System Bar and Carpe Manager app - Power&Charge tab, although the Device is connected to a power source – USB charger/Holder/M8 charging cable):

12.7.1. USB port: make sure you use correct and properly functioning USB charger. Check that the wall socket you use is actually supplied with electricity;

12.7.2. M8 charging cable:

A. Power source does not show green LED: Make sure the Ignition Sensing Cable is properly connected (see Section 11.1.2) and ignition on your motorcycle is ON. Check voltage on the motorcycle auxiliary power socket with ignition ON – the voltage needs to be above the Switching Threshold (5V). Possible causes: engine not running, broken wire, blown fuse, bad contact in a connector;

B. Power source shows green LED, but the Device is not charging (no charging indication on the System Bar and in the Carpe Manager app): check proper mating of the M8 charging cable connectors, make sure the Device is not in a discharge cycle (see Section 7.9).

12.8. Device does not charge sufficiently (battery level goes down, but active charging **IS** indicated on the System Bar and Carpe Manager app - Power&Charge):

12.8.1. check your current consumption. If it **on average** (occasional spikes should not matter) exceeds 2A, shut down some of the running apps and processes to bring the consumption down (charging limitation of the Device is 2A). Current consumption can be checked in the Carpe Manager – Power&Charge tab or system pull-down menu, **while the Device is disconnected from charging.**

12.8.2. check all cables for broken leads. Check and clean all connectors M8 cable and the power source and your motorcycle (unplug, apply contacts cleaner followed by electrical contacts grease and re-plug).

12.9. System battery level indicator seems wrong:

12.9.1. System battery level indicator will not match voltage level indicated by the Carpe Manager most of the time. That is normal.

12.9.2. The Carpe Manager app charging algorithms will attempt to calibrate the battery level indicator automatically (see Section 7.12).

12.9.3. Wrong readings from System battery level indicator have no negative impact on normal use of the Device.

12.9.4. System battery level indicator is for general orientation only. The only measurement relevant for actual battery level is battery voltage, which can be checked in the Manager app - Power&Charge tab.

13. Disclaimer

13.1. Unless explicitly stated for a specific Carpe Iter item (the Device, Holder, their accessories, brackets and other Carpe Iter equipment) ("**Item**") otherwise, no testing or homologation procedures were taken to ensure compliance with regulations associated with using the Items in regular traffic – on the streets. Use at your own risk.

13.2. Make sure that Items with sharp edges are positioned so that the sharp edge does not face the rider. Always dismount Items, which you are not currently using – especially empty holders and brackets (which may form a sharp edge, when empty).

13.3. Even if the Items are mounted to your vehicle properly, you might suffer an injury to your body (bruises, tearing, fractures, etc.) or damage to your gear (tearing, breakage, etc.) especially in case of an accident (e.g. dismounting your vehicle in other than standard way).

13.4. Manuals and use instructions are only provided in electronic form and can be viewed and/or downloaded on our website. Manuals and instructions for use shall not be provided in printed form.

13.5. Our manuals and instructions for use assume casual experience with smart devices (such as smartphones) and basic manual dexterity. I case of doubt, installation of Items on a vehicle must be performed by a specialized workshop.

13.6. Manuals and instructions for use, as well as technical support are only provided in English.

14. Manufacturer's Warranty

14.1. We provide world-wide warranty in the scope set forth below for defects, which exist upon delivery of an Item to the shipping address provided by you upon purchase and which shall manifest within the period of 2 year as of the date of the original purchase, if you are a consumer, and 1 year as of the date of the original purchase, if you are a business (you provided business identification number or VAT number upon purchase). This warranty does not apply to software and batteries (see below). The date of dispatch of an Item to your shipping address is deemed to represent the date of original purchase.

14.2. Limited 6 months warranty is provided for batteries included in an Item or batteries sold separately. In the course of this limited battery warranty we guarantee that the battery will retain at least 60% of its nominal capacity. No warranty is provided for batteries beyond the period of 6 months following the date of original purchase. Warranty for batteries is subject to adhering to the use instructions set forth above.

14.3. Our warranty only covers defects that preclude the use of the Item for its purpose. In view of the intended purpose of use of Items, our warranty does not cover, in particular, defects of cosmetic nature, such as discoloration, paint fading, rusting that does not hinder the use, etc.

14.4. Our warranty is subject to adhering to manuals and use instructions published on our website or stated above in this manual. Our warranty does not cover defects occurring due to misuse and lack of maintenance.

14.5. No warranty is provided for software.

14.6. No warranty is provided for defects occurring as a result of outside forces (abrasion, shock, water, pressure, vibration, UV light, etc.).

14.7. Plastic and rubber parts of Items are considered expendable material.

14.8. Item, in respect of which our defect warranty is claimed, including a detailed written description of the defect, must be delivered for inspection to the address published for that purpose on our website. Any and all cost associated with the delivery, including without limitation fees and other duties incurred by us in association with re-importing the Items into EU, will be borne by you and we will be entitled to request the respective reimbursement to be credited to our bank account before your warranty claim is processed.

14.9. We shall be free to choose any of the following actions to satisfy your warranty claim:

14.9.1. repair, if repair is economical;

14.9.2. adequate monetary compensation;

14.9.3. replacement of the defective Item.

14.10. We may always choose to replace a defective Item instead of carrying out a repair or providing monetary compensation.

14.11. your warranty claim shall be reviewed and responded to within 30 days following the delivery of the defective Items our address provided by us for that purpose.

14.12. It is strongly recommended that you contact us by email before dispatching an Item, in respect of which you plan to claim warranty. We might choose to satisfy your claim without the need to return the defective Item, which will save time and shipping cost.