

User Manual

FX200

Professional Android Device



Table of contents

User Manual.....	1
1. Copyright	3
2. Trademarks.....	3
3. Warnings and safety notices	4
4. Limitation of liability.....	4
5. About this manual	4
6. Device layout.....	5
6.1 Overview	5
6.2 Back view	6
6.3 Soft keys and buttons	6
7. Package contents	7
8. Getting started	8
8.1 How to switch the device ON or OFF	8
8.2 Home screen and synchronization	8
8.3 LED colors	10
8.4 How to access the dashboard	10
8.5 How to find your device's serial number.....	11
8.6 How to charge the device	11
8.7 How to charge the device wirelessly	12
8.8 How to change the battery	14
8.9 How to use the battery.....	15
8.10 How to read an NFC card	16
8.11 About the SIM slots.....	16
9. Technical specifications	17
10. Warranty information	18
11. Safety and general information	18
11.1. Listening safety	21
11.2. Electromagnetic waves safety information - SAR.....	22
11.3. Recycling.....	24

1. Copyright

Copyright ©2018 Famoco. All rights reserved.

This manual is protected under international copyright laws.

No part of this manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Famoco.

We reserve the right to make modifications on print errors or update specifications without prior notice.

2. Trademarks

- Famoco and the Famoco logo are registered trademarks of Famoco.
- The Android logo is the trademark of Google, Inc.
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- All other trademarks and copyrights are the property of their respective owners.

FAMOCO SAS

59 avenue Victor Hugo, 75016 Paris – FRANCE

contact@famoco.com

www.famoco.com

3. Warnings and safety notices

Please read all the safety notices before using this device. Do not use the device near fuel or chemicals or in any prescribed area such as service stations and refineries. Do not transport or store flammable gas, liquid or explosives in the same compartment of your vehicle as your device and accessories.

This device is intended for professional (business) use only.

4. Limitation of liability

Famoco shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or in connection with using this product, whether or not Famoco had been advised, knew or should have known the possibility of such damages.

5. About this manual

Congratulations on becoming the owner of a Famoco FX200 device. This user manual is specially designed to detail the device's functions and features.

Please read this manual before using the device to ensure safe and correct use.

- Descriptions are based on the device's default settings.
- Images and screenshots may differ in appearance from the actual product.
- Content may differ from the final product, or from software provided by service providers or carriers, and is subject to change without prior notice.

- Available features and additional services may vary by device, software, or service provider.
- Applications and their functions may vary by country, region, or hardware specifications. Famoco is not liable for performance issues caused by applications from any provider other than Famoco.
- Famoco is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customize the operating system may cause the device or applications to work incorrectly.

6. Device layout

6.1 Overview



1. Indicator light
2. Customizable button
3. Softkey: Back
4. Softkey: Home
5. Volume down
6. Volume up
7. Front camera

8. Power button
9. Micro USB port
10. Audio jack

6.2 Back view



1. Rear camera
2. Flash
3. NFC antenna and wireless charge antenna
4. Speaker
5. Lanyard

6.3 Soft keys and buttons

Name	Function
Power button	Long press: turn the device ON/OFF Short press: screen ON/OFF (standby mode)
Customizable button	Action can be defined by the customer
Volume up & down	Press to turn the volume up or down
Home screen (soft key)	Tap to return to the home screen
Back (soft key)	Tap to return to the previous screen
Micro USB port	Connect the device to a USB power source
Indicator light	Turn red to indicate when the device is charging and green when full charge level is reached
DC Power charger (2mm mini-tip)	Connect the device to a jack cable power source

7. Package contents

Check the product box for the following items:

1 x Device

1 x Battery

1 x USB Wall Charger (HA-19050100VU , HJ01A-0500100)

1 x USB Cable

1 x Jack Charger

1 x Lanyard

1 x User Manual

Note:

- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
- Third party accessories may not be compatible with your device.
- The packaging materials, such as the adhesive tape, plastic film, string and labels, are not part of this product.

8. Getting started

8.1 How to switch the device ON or OFF



1. Power button

To power ON:

Press and hold the power button for three seconds then release. The home screen will be displayed after a few moments.

To power OFF:

Press and hold the power button for two seconds, then select shut down option on screen.

Standby mode:

The device enters the standby mode after 30 seconds by default if left alone. Press Power button once to switch back on.

8.2 Home screen and synchronization

Once your device is switched on it will start synchronizing.

If there are no applications installed on it yet, the device will be locked on a screen that shows the following indication to configure the internet connection:

If there is no connection, the following screen will appear:



To set up your device you need connectivity so that it can synchronize. Please install a SIM card or set up Wi-Fi or contact your customer support.

If the synchronization is in progress, please wait until it is complete.

If the synchronization is complete but no applications have been installed, or if the synchronization has been aborted, please contact your customer support.

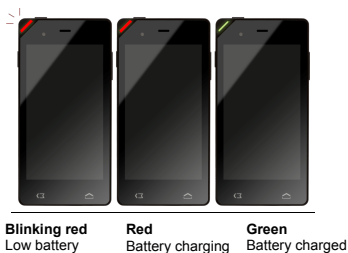
If there is connection, one of the following screens will appear (depending on the synchronization status):



If the synchronization is in progress, please wait until it is complete.
If the synchronization is complete but no applications have been installed, or if the synchronization has been aborted, please contact your customer support.

8.3 LED colors

The LED on the device can show different colors.
Those colors can be defined by an application. Below you can find the default configuration:



8.4 How to access the dashboard

When your device is switched on you can access the dashboard by pressing the volume up button for three seconds and then release it. In the dashboard you will find:



- Battery level
- Time
- Famoco serial number
- Connectivity
- Brightness (that you can modify)
- Sound level (that you can modify)

8.5 How to find your device's serial number

There are two ways of finding the serial number:

- Press the volume up button to access the dashboard. The serial number is written in the dashboard.

Or:

- Open your device and remove the battery (see 8.6 for more information). The serial number is written on the device under the battery.

8.6 How to charge the device



To charge the device, only use micro USB port (option 1) or the jack charger (option 2) with the respective cables supplied:

1. Insert the charger cable carefully. Check that the plug and socket are aligned.
2. The indicator light will turn red to indicate that the device is charging and will turn green when full charge level is reached.
3. The battery will reach full charge in 5 hours.



Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



Please do not charge from Micro USB port and DC jack or Wireless charger at the same time.



If you charge using a wall charger, please use the one provided in the box (type HA-19050100VU or HJ01A-0500100)

Note: The device will power off automatically when the battery reaches 2%.

Note: You can use the device while it is being charged. In this case, the battery may take longer to fully charge.

8.7 How to charge the device wirelessly

The device has a built-in wireless charging coil. You can charge the battery using a wireless charger (sold separately).

1. Connect your charger to power. Use the power adapter that came with your accessory or a power adapter recommended by the manufacturer.

2. Place the center of the device's back on the center of the wireless charger.
3. Your device should start charging a few seconds after you place it on your wireless charger (the led will indicate if the device is charging)
4. After the device is fully charged, remove the device from the wireless charger.

Note:

- Your device might get warmer while it charges. If the battery gets too warm during charging remove the device from the charger. Charge again when the device temperature drops. Alternatively move the device to a cooler location.

Precautions for wireless charging

- The actual charging time may vary depending on the charging conditions.
- Do not place the device on the wireless charger with a credit card or radio- frequency identification (RFID) card (such as a transportation card or a key card) placed between the back of the device and the device cover.
- Do not place the device on the wireless charger when conductive materials, such as metal objects and magnets, are placed between the device and the wireless charger. The device may not charge properly or may overheat, or the device and the cards may be damaged.
- If you use the wireless charger in areas with weak network signals, you may lose network reception.

Safety information for charging the device:

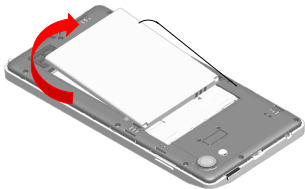
- To recharge the battery, only use the main adaptor supplied with your device. Do not use any other power supply or electrical device.
- The power outlet to which the device is connected must be near the equipment and must always be easily accessible.
- Always wait at least 5 seconds after switching off the device before restarting it. Switching the device off and then back on again immediately may damage the electrical circuits.
- Do not disassemble, open or shred the battery contents. Do not dispose of batteries in fire or water. Do not charge the battery if the room temperature exceeds 45° C. Keep the battery in a clean and dry place. Avoid leaving the battery under sunlight.
- Do not short circuit the battery. Do not keep the battery in a place where it can be shorted by other metal objects.
- Keep the battery away from children, in case of swallowed, consult a doctor immediately. In case of battery leak, take care to not allow the liquid to come in contact with skin or eyes, if this happens, wash thoroughly with water and consult a doctor.

8.8 How to change the battery

1. Unclip the back-left corner where the red circle is and remove the back cover.



2. Remove the battery.



3. Insert the new battery with the pins located against the gold springs (with label up).
4. Press the battery down into the case.
5. To replace the back cover, reverse step 1 and push gently to close.

8.9 How to use the battery

Charge the battery promptly when empty. Do not leave the battery in a discharged state.

Keep your device and battery cool. High temperatures degrade the battery more quickly. The battery will not charge when over 45°C.

Do not leave on charge for more than 10 hours.

When not using the device for long periods, charge to approximately 40% and remove the battery.

CAUTION: Risk of explosion if battery is replaced by an incorrect type.

To replace the battery, please enquire with the after-sales service, your administrator or your customer support.

8.10 How to read an NFC card

To read a NFC card, flip the device over and bring the card near the NFC logo in the back of the device.

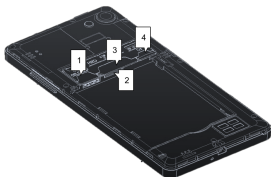


The device can read a NFC card at less than 2cm.

Device is able to read/write read/write NFC forum tags 1,2,3,4, Type MIFARE Classic Tag (full Mifare-ultralight/1k/4k, Mifare Desfire)

8.11 About the SIM slots

There are four slots in the back of the device. The first and second ones are for SIM cards, the third one for an external Secure Element and the fourth is for the SD card.



1. SIM2 slot
2. SIM1 slot
3. SAM slot
4. SD card slot



Do not attempt to remove any of the installed cards.

In case of any operational problem, contact your administrator.

9. Technical specifications

Processor	Type	Quad-core
	Speed	1.3GHz
OS		Secure Android (6.x)
Memory	RAM	1GB
	Mass Storage	8GB
Display	Characteristics	4.5" WVGA (854x480 pixels)
	Touch Panel	5 touch points
Secure Elements	Embedded SE	NXP PN66T
	Removable SE	SAM slot (2FF format)
NFC	Operating modes	Reader/writer/peer-to-peer Card emulation (ISO 14443-A)
	Type of tags supported	NFC Forum 1,2,3,4. MIFARE, Desfire
Connectivity	2G/GPRS/EDGE	850/900/1800/1900 MHz
	3G	900/2100 MHz
	Wi-Fi	802.11 b/g/n
	Bluetooth	4.0
Camera	Rear camera	5 MP with auto focus
	Front camera	2MP fixed focus
Speaker, Microphone, Accelerometer		Yes
Size	L * W * H	138.6*69.1*11.35mm
Weight		137g
Battery		2000 mAh
Power supply		Micro USB Jack charger

10. Warranty information

The warranty does not apply to defects or errors in the product caused by:

1. Normal wear and tear, misuse, mishandling, and physical damage.
2. Exposure to water or any other liquids or solvents.
3. Any unauthorized disassembly, repair or modification.
4. Power surges, lightning, fire, flood or other natural events.
5. Use with unauthorized third-party products such as generic chargers.
6. Any other cause beyond the range of normal usage for products.
7. Damage/malfunctions generated by using 3rd party applications.
8. The end user shall have no right to reject, return, or receive a refund for any product under the above-mentioned situations, not excluding your statutory rights under national law.

11. Safety and general information

The device contains delicate electronic circuitry, magnets and battery systems. You should treat it with care and pay attention to the following points:

- Handle the device with care. Do not drop or throw the device. Do not immerse it in any liquid.
- Do not place the device near computer disks, credit cards, and other magnetic media. The information contained on disks or cards may be erased or damaged.
- Do not leave the device or battery in direct sunlight or near other heat sources where temperatures could exceed 45°C.

- Keep the device and all accessories away from children.
- In the unlikely event of a battery leakage, avoid contact with eyes or skin. In the event of contact, rinse with water and consult a doctor.
- Observe and obey warning signs at petrol stations, airports and hospitals.
- The operation of some medical electronic devices, such as hearing aids and pacemakers, may be affected by the device.
- Take care not to allow metal objects such as coins or keys to come into contact with the battery terminals.
- Do not dispose of batteries in a fire.
- Do not throw used batteries into household rubbish, return them to a recycling point.
- When the battery is thrown away cover the terminals with insulating tape.
- Be careful not to pierce the battery with sharp objects and do not use damaged batteries.
- Do not disassemble or modify the battery.
- Stop using the battery if abnormal heat, smell, discoloration, deformation, or abnormal condition is detected during use, charge, or storage.
- Do not put the battery in your mouth.
- Only use original replacement batteries.
- Do not connect the device to non-genuine or 3rd party chargers.
- Do not attempt to dismantle the device or any of its accessories.
- Do not put the device into a microwave oven, dryer, or high-pressure container.
- Don't use the device immediately after a sudden temperature change e.g. from an air-conditioned environment to high

temperature and humidity outside. In such cases there could be condensing moisture inside the device, which can cause internal damage. Switch off and leave for 30 minutes before use.

- Do not use the device where blasting is in progress.
- Do not leave the device at the bottom of a bag where it may be damaged by sharp objects.
- Take care when the device is in your pocket.
- Sitting down or sharp objects may damage the device.
- At high volume, prolonged listening to audio devices can cause hearing loss.
- Do not leave the device discharged or disconnected for long periods of time; your personal data may be lost and your battery life will be reduced.
- Under poor network conditions battery life is considerably reduced.
- Please recycle the packaging and all parts.
- Emergency service coverage is dependent on network availability and battery status.
- It is always good practice to switch off the device regularly.
- Do not expose the device to oils or solvents.
- It is normal for the device to become warm while the battery is being charged.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The information & images in this guide are valid at the time of publication of the guide. Changes to this information & images can be made without prior notice.

11.1. Listening safety

- Before using a headset, headphone or pedestrian kit, check that the volume is not set to maximum to prevent hearing loss.
- The high-volume settings are intended for individuals with reduced hearing capacity and not for those with normal hearing.
- Do not use the pedestrian kit while driving.
- Adjust the volume so that you can hear the sounds around you.
- Listening to a portable audio player at high volumes can damage your hearing and lead to hearing impairment (deafness, ringing ears, tinnitus and hyperacusis).
- In order to prevent these risks, it is recommended not to use the device at full volume; use must not exceed one hour per day.
- This product complies with the EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 standard "Information technology equipment - Safety - Part 1: General requirements" in accordance with the order of 25 July 2013 implementing Article L. 5232-1 of the French public health code concerning portable audio players.
- Do not use pre-amplified or amplified models of headphones or earphones (i.e. with individual volume control and/or self-powered by batteries), as they do not ensure adherence to the maximum volume.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.



11.2. Electromagnetic waves safety information - SAR

Your device is designed to not exceed the radio wave limits recommended by the European authorities. These limits include safety margins to ensure the protection of all persons regardless of their age or health.

The SAR (specific absorption rate) of mobile phones quantifies the maximum level of exposure of the user to electromagnetic waves, for aural use. European legislation stipulates that the SAR must not exceed 2 W/kg averaged over 10g of tissue.

The value of the SAR is determined on the basis of the highest level of radio frequencies emitted during laboratory tests.

The actual value of the SAR during use of the device is lower than this level.

The value of the SAR of the device can vary according to the following factors: how far/close the device is to a relay antenna, use of accessories and others.

The maximum SAR level of your device is given in the following table:

Position	Connectivity	SAR value
Head	GSM850/GSM900 / DCS1800 /	0.299 W/Kg
Body	PCS1900WCDMA900 / WCDMA2100	1.223 W/Kg

Body-worn SAR testing has been carried out at a separation distance of 0.5cm. This device is in accordance with the regulations regulating the exposure at radio frequencies when it is used at a minimal distance of 0.5cm from the body.

NOTE:

- i. The SAR value may vary, depending on national reporting and testing requirements and the network band.
- ii. Do not use your device in certain locations such as aircraft, hospitals, service stations and professional garages or while driving a vehicle. The electromagnetic waves from the device can disrupt the performance of electronic devices used in these locations.
- iii. We recommend that you switch off your device or switch it to flight mode in these locations to avoid interference.
- iv. If you use an electronic implant (pacemakers, insulin pumps, neurostimulators, etc.), please keep a distance of 15cm between the device and your electronic implant.
- v. When using a pedestrian kit, headphones or headset, pregnant women should keep the device away from their abdomen and teenagers should keep the device away from their lower abdomen.

Advice to reduce the level of exposure to radiation:

- Please use your device where reception is good to reduce the quantity of radiation received (avoid using in an underground car park or when travelling (train or car)).
- A reception icon indicates the quality of reception on your device. A 4-full bar display means that reception is good.

11.3. Recycling



The symbol shown here and, on the product, means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life.

The Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU) has been put in place to recycle products using best available recovery and recycling techniques to minimize the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

Product disposal instructions for residential users:

If you no longer use the device, remove and dispose of the battery, as well as the device, in compliance with the local recycling procedures. For more information please contact your local authority or the retailer where the product was purchased.

Product disposal instructions for business users:

Business users should contact their suppliers and check the terms and conditions of the purchase contract and ensure that this product is not mixed with other commercial waste for disposal.

UE Simplified Declaration of Conformity



Hereby, Famoco SA – 59 avenue Victor Hugo, 75016 Paris – FRANCE,
declare that the radio equipment type NFC/GPS/FM/WIFI/BT/GSM/3G
model FX100 is in compliance with Directive 2014/53/UE.

The full text of the EU declaration of conformity is available at the
following internet address: www.famoco.com/ce-doc



www.famoco.com

March 2018

V1.0

FCC RF EXPOSURE INFORMATION:

WARNING!! Read this information before using your phone

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION:

This device was tested for typical body-worn operations with the back/front of the phone kept 1cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1cm must be maintained between the user's body and the back/front of the phone, including the antenna. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 1cm separation distance between the user's body and the back/front of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided. For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

<ANSI C95.1> (1992) / <NCRP Report 86> (1986) / <ICNIRP> (1999)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with your phone (such as an earpiece or headset) to avoid potential exposure to RF energy. The design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

NORMAL POSITION:

Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

RF Exposure Information:

This product is in compliance to FCC RF Exposure requirements and refers to FCC website <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID: **2AGQIFX200** to gain further information include SAR Values.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Do not use the device with the environment which below minimum -10°C or over maximum 50°C, the device may not work.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device is acting as slave and operating in the 2.4 GHz (2412 ~2462 MHz) band. Ad Hoc function is supported but not able to operate on non-US frequencies.