

GRANFELDT

F R A M E - 1

USER MANUAL



7.9" EXTRA
WIDE TOUCH
DISPLAY



PERSONALIZED
PLAYLISTS



FREE OTA
SOFTWARE
UPDATES



RGB
STATUS LED



BUILT-IN
WI-FI
CONNECTIVITY



REAL-TIME
DOT MATRIX
EMULATION

Congratulations on the purchase of your new FRAME-1 desktop companion!
Read these instructions carefully to get started.

2 (8)

Model:

FRM-100

Product Code:

A50124WA-FRM100

Screen:

7.9" IPS LCD with touch panel

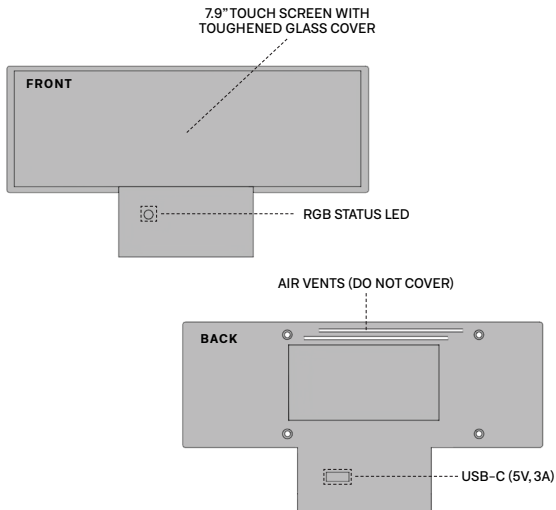
Connectivity:

Wi-Fi

What's in the box:

1x FRAME-1 Device
1x Quick Start Guide

Designed and assembled in Sweden
by Granfeldt Studios, Stenungsund.



A50124WA-FRM100

POWER REQUIREMENTS / TURNING ON AND OFF:

- **IMPORTANT:** Only use a **USB Type-C** power adapter with **5V, 3A** (not included). Too much current will harm the device, and too low voltage will cause it to run slowly (throttling). We strongly recommend using the official Raspberry Pi 4 power adapter. If you choose an alternative, it must be a **USB Type-A to USB Type-C** power cable.
- The device will turn on automatically when power is connected. You will see the FRAME-1 splash screen.
- To turn off the device, use the touch screen and press the "Shutdown Device" button. You can now safely unplug the device from your power outlet.



First-Time Setup Instructions 2/2

CONFIGURE TIMEZONE & WI-FI:

When setting up your FRAME-1 desktop companion for the first time, be sure to configure your timezone and Wi-Fi connection.

- Use the touch screen and swipe up until you get to the page that says "Device Settings". Then press the "Configure Device" button. The device will reboot itself within 10 seconds into Configuration Mode and you should see a confirmation pop-up on the screen. **IMPORTANT:** This process may take up to 120 seconds, so please be patient.
- After the device reboots, use your smartphone (or computer) and connect to the Wi-Fi network: "FRAME-1 Setup".
- Scan the QR code displayed on the screen, or manually open your web browser and go to: **10.0.0.1** - then follow the on-screen instructions.

Having an issue?

granfeldtstudios.com/frame1/help

USING THE DEVICE:

- **NOTE:** The capacitive touch screen require a firm touch to register.
- Swipe up once to access "Display Options". From here you can:
 - Toggle metadata on/off. When you want some more information.
 - Toggle night mode on/off. Dims the content of the display with 50%.
 - Choose between a 12-hour clock or 24-hour clock. Set your time format.
- Swipe up again to access "Playlist Customization". Here, you choose which playlist items you want your device to display. For example, if you only want to display the clock and date, toggle everything off except the Clock/Date option.
- When a new software update is available, the device will automatically download and install it in the background, then restart itself. It checks for updates every 24 hours. Alternatively, you can manually update your device through the "Device Settings" menu.



This section explains the safety guidelines that help protect your product from potential damage and ensure your personal safety. To reduce the risk of bodily injury, electrical shock, fire, and damage to the equipment, please follow these precautions:

- Input: USB Type-C 5V DC 3A (not included).
- This product is designed solely for indoor use.
- Disconnect the product from the electrical supply and replace the part or contact the seller if:
 - The power plug is damaged.
 - The product has been exposed to water.
 - The product has been dropped or damaged.
 - The product does not operate correctly when you follow the operating instructions.
- Use only the type of external power source that is indicated on the electrical ratings label of your product.
- To turn off power completely to your product, disconnect it from the power source.
- Do not expose to heat from any source.
- Do not operate the product in a wet environment. Keep away from water and moisture.
- Operate this product in a well ventilated environment, do not cover during use.
- Do not push any objects into the openings of the product. Doing so can cause fire or electric shock by shorting out interior components.
- Place this product on a stable, flat surface while in use.

Warranty, Software License Agreement, EULA & Copyright Notice

This product is warranted to be free from defects in materials and workmanship for a period of six (6) months from the date of purchase. During this period, if the product is found to be defective, we will repair or replace it at our discretion, free of charge. This warranty is limited to the original purchaser and is non-transferable. The warranty period of any replaced product shall not extend beyond its original term. This warranty does not cover damage caused by misuse or unauthorized modifications. If proof of purchase cannot be provided, the manufacture date will be deemed to be the start of the warranty period. This warranty does not cover any software applications or programs. All products and parts that are replaced become the property of REN Workshops AB ("Granfeldt Studios" or "Granfeldt").

This limited warranty does not cover:

- Damage caused by misuse, abuse, or unauthorized modifications.
- Normal wear and tear.
- Damage caused by natural disasters such as floods, fires, or earthquakes.
- Cosmetic damage, including but not limited to scratches and dents.

US

To obtain warranty service, please contact our customer service department at clientservice@granfeldtstudios.com. You may be required to provide proof of purchase. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This limited warranty is provided in lieu of all other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Our liability is limited to the repair or replacement of the product, and in no event shall we be liable for any incidental or consequential damages, including but not limited to loss of use or loss of profits. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

EU

To obtain warranty service, please contact our customer service department at clientservice@granfeldtstudios.com. You will need to provide proof of purchase and may be required to return the product for inspection.

This warranty is provided in addition to your statutory rights under applicable national legislation governing the sale of consumer goods. According to the EU Consumer Sales and Guarantees Directive (1999/44/EC), consumers have the right to a minimum 2-year guarantee from the seller, ensuring that the goods comply with the sales contract.

If your product is defective, you have the right to choose between repair or replacement, unless this is impossible or disproportionate. If repair or replacement is not possible or cannot be done within a reasonable time, you are entitled to a reduction in the price or a full refund.

The WEEE symbol on the product or its packaging indicates that this product must not be disposed of with other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

END USER LICENSE AGREEMENT (EULA)

This End User License Agreement ("Agreement") is between you and REN Workshops AB ("Granfeldt"). By using the bundled software ("Software"), you agree to be bound by the terms of this Agreement. Grant of License: Granfeldt grants you a non-exclusive, non-transferable license to use the Software solely for your personal or internal business purposes. Restrictions: You may not (a) modify, reverse engineer, decompile, or disassemble the Software, (b) distribute, rent, lease, or lend the Software to any third party, (c) use the Software in any manner that violates applicable laws. Intellectual Property: The Software is the intellectual property of Granfeldt and is protected by copyright laws and international treaties. Termination: This license is effective until terminated. Your rights under this license will terminate automatically without notice from Granfeldt if you fail to comply with any term(s) of this Agreement.

SOFTWARE LICENSE AGREEMENT

The bundled software is provided "as-is" without any warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. The entire risk as to the quality and performance of the software is with you. In no event shall Granfeldt be liable for any damages (including, without limitation, lost profits, business interruption, or lost information) arising out of the use of or inability to use the software, even if Granfeldt has been advised of the possibility of such damages.

COPYRIGHT NOTICE

FRAME-1 is an unofficial pinball product based in Sweden and is not connected to Bally®, Data East, Gottlieb®, Sega, Stern, Williams®, or any other pinball manufacturers. All copyrights for content appearing on this device are the exclusive property of their respective owners. All material contained within the device is for educational purposes unless stated otherwise. Granfeldt Studios is not responsible for, and has no control over, any external sites linked or referenced.

Bally®/Williams® © Planetary Pinball Supply, Inc.
Gottlieb®/ D. Gottlieb & Co.® Premier® © Gottlieb Development, LLC

Contains TX FCC ID: 2ABCB-RP14B
Contains IC: 20953-RP14B

FCC COMPLIANCE

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.

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void users authority to operate the equipment.

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.

For products available in the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter except in accordance with FCC's multi-transmitter procedures. This device operates in the 5.15-5.25GHz frequency range and is restricted to indoor use only.

ISED CANADA COMPLIANCE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique



subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. For products available in the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN. Selection of other channels is not possible. Pour les produits disponibles sur le marché USA / Canada, seuls les canaux 1 à 11 sont disponibles pour le réseau local sans fil 2,4 GHz. La sélection d'autres canaux n'est pas possible. This device and its antenna(s) must not be co-located with any other transmitters except in accordance with IC multi-transmitter product procedures. Cet appareil et son antenne (s) ne doit pas être co localisés ou fonctionner en association avec une autre antenne ou transmetteur. The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux. IMPORTANT NOTE: IC Radiation Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum separation distance of 20cm between the device and all persons. Cet équipement est conforme aux limites d'exposition au rayonnement IC RSS-102 définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance de séparation minimale de 20 cm entre l'appareil et toutes les personnes.

EU COMPLIANCE

REN Workshops AB ("Granfeldt Studios") hereby declares that this desktop companion is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), This product is allowed to be used in all EU member states.

This product complies with the requirements of the following directives:

- 2014/53/EU Radio Equipment Directive (RED)
- 2014/35/EU Low Voltage Directive (LVD)
- 2014/30/EU Electromagnetic Compatibility (EMC) Directive

AUSTRALIA AND NEW ZEALAND

Class B Emissions Compliance Statement. Warning: This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CONTACT INFORMATION

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