



AVA Nano Brain User Manual

[Home](#) » [AVA](#) » AVA Nano Brain User Manual 



NANO BRAIN



USER MANUAL

AVA Nano Brain

AVA-CO-CB1-US QSG REV_01_002 CFB

WHAT IS THE AVA NANO BRAIN?

AVA Nano Brain is a compact, always-on smart home processor that enables AVA OS to keep multiple AVA remote controls in sync and extend control to devices in equipment racks and other out-of-sight locations.

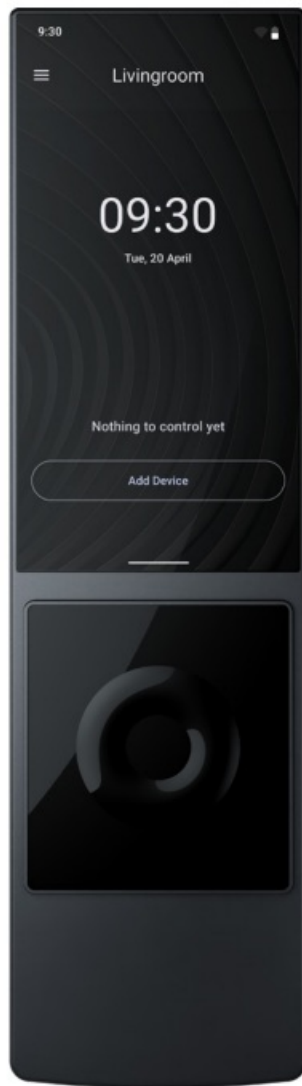
Contents

- [1 Features](#)
- [2 GET STARTED](#)
- [3 MOUNTING OPTION A](#)
- [4 USE THE AVA AUTOMATION APP WITH NANO BRAIN](#)
- [5 STATUS](#)
- [6 ENJOY](#)
- [7 FCC Caution:](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)

Features

- Allows control from multiple AVA remotes, keeping each remote in sync.
- Extends control to equipment racks and other out-of-sight locations.
- IR control
- IR Blaster has 360-degree emission, sets a new bar for IR blaster reliability.
- Optional AVA Flat IR Emitter is a USB-C smart emitter that enables nearly-invisible
- IR control of a device with pinpoint-accuracy
- HDMI connection enables CEC-control of HDMI devices, including state tracking
- Three USB-C ports, one for power
- Connects via Wi-Fi (dual band) or Ethernet (with USB-C adapter)
- Powered by PoE or AC adapter connected to one its three USB-C ports.

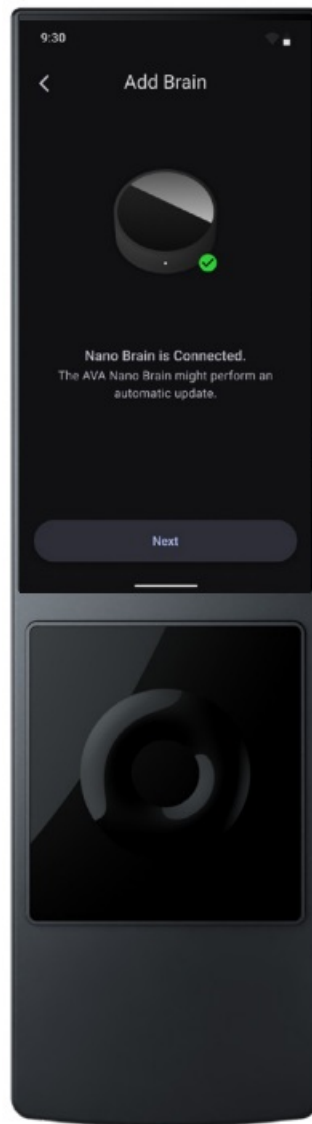
GET STARTED



1. On an AVA Cinema Remote start from the Home Screen
2. Make sure both, the Cinema Remote and the Nano brain are on the same LAN network.
3. Tap "Add Device"



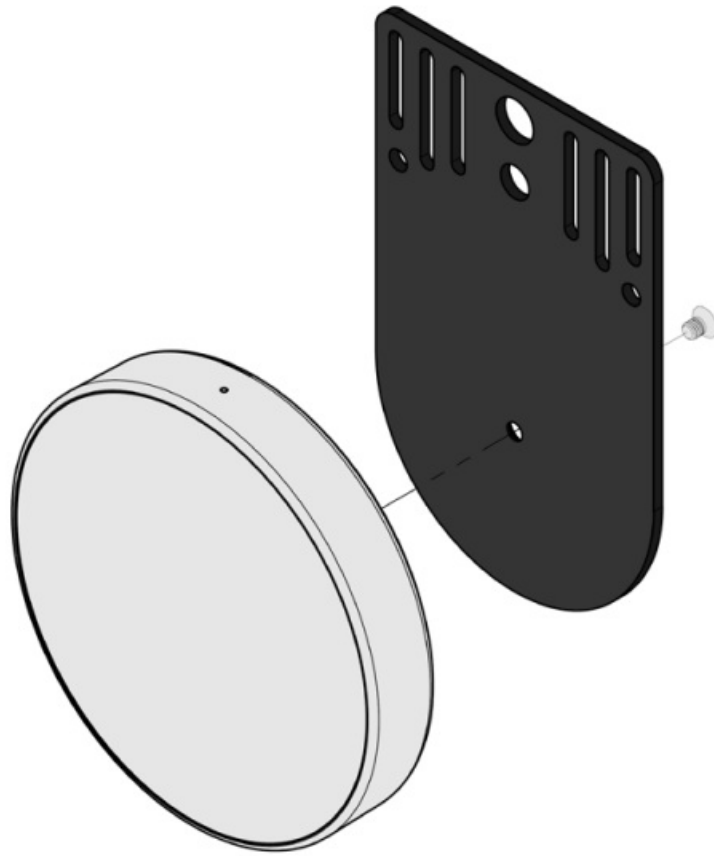
1. Tap “Add Brain”
2. The Remote will now start to discover any factory new Nano Brains.



Follow the instructions in the app

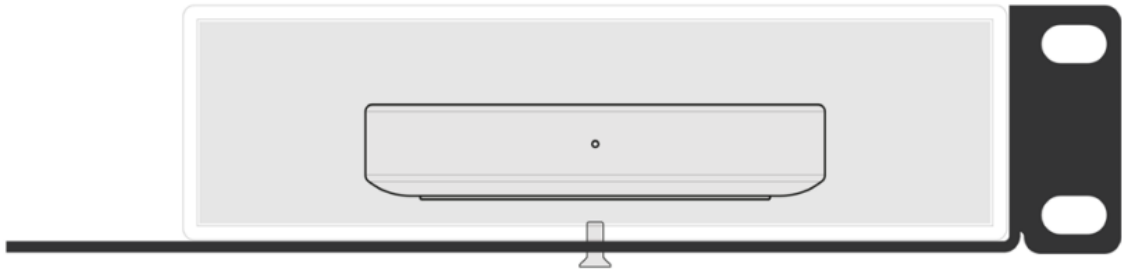
1. Once your Nano Brain is connected, a green check mark will appear.
2. You can now start creating your automation project.

MOUNTING OPTION A



Remove the bottom screw “rack mount” for mounting
You can mount the Nano Brain to the optional mouting bracket.

MOUNTING OPTION B



Remove the bottom screw “rack mount” for mounting
You can optionally mount he Nano Brain to any 19” rack shelf.

USE THE AVA AUTOMATION APP WITH NANO BRAIN



Control Smart Home Devices

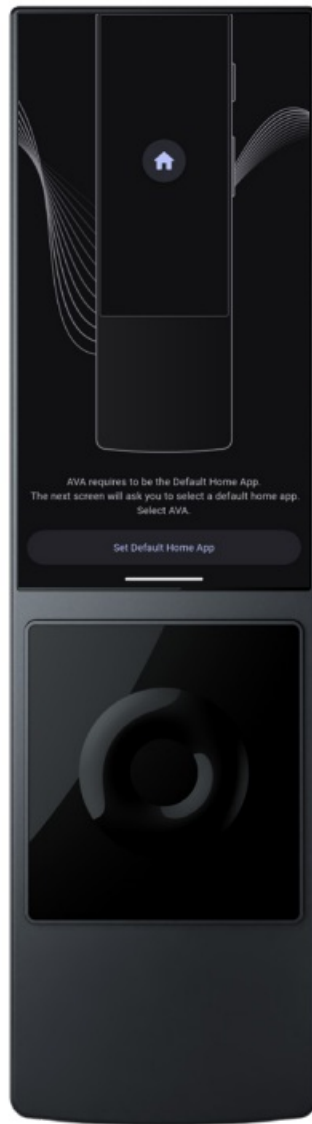
1. The AVA App, allows you to control devices via infrared and I P.
2. The AVA App always brings up the right Dynamic Keypad (Second Screen) configuration for fast and convenient control.

USE THE AVA AUTOMATION APP



AVA Automation

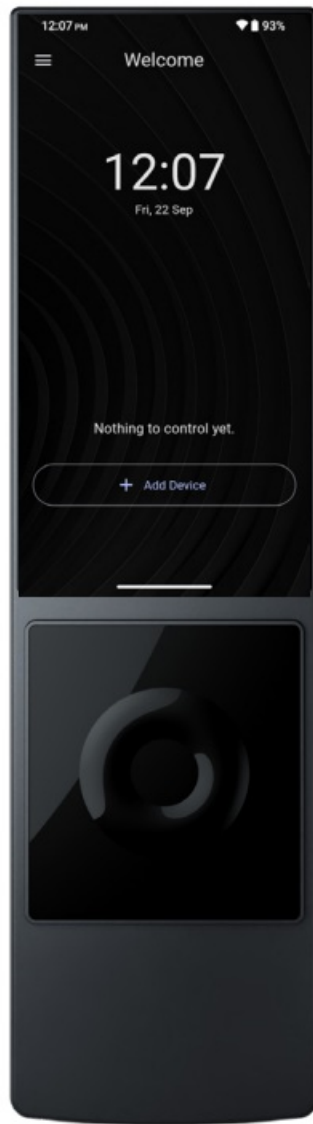
1. The AVA App must be configured by AVA certified installers. An AVA account is required.
2. Please reach out to support@ava.com in case you do not have an installer yet.



Make AVA the default home app

1. It's recommended to make AVA the default home app, for the smoothest experience.
2. Go to Settings > Apps > Choose default apps > Home app
3. And select "AVA" as the default home app

USE THE AVA AUTOMATION APP



Add devices

1. The AVA App, on your home screen.
2. Choose "Add Device", and search for your device.
3. Then click

USE THE AVA AUTOMATION APP



Choose model

1. Enter the name or model number of the device you want to add to AVA.
2. The model number can be found on the label or manual of your device.

USE THE AVA AUTOMATION APP



Choose Room

1. Assign the device to a room, so it's neatly organized in the user interface.



New Icon on home screen

1. Now you see your selected device on your home screen.
2. Tap the icon to control the device.



Main Screen and Second Screen

1. The AVA App automatically shows the right controls for you on both screens.
2. The button layout on the second screen, adopts automatically to each device.

STATUS



Nano Brain Status

The Nano Brain's status LED is positioned on the front of the device. Use this to understand what is happening with the device.

Solid White – running with network (default state)

Flashing white – no network

Factory Reset – blinks red every second

WiFi Setup – slow blinking white

ENJOY



Enjoy a wonderful smart home experience with AVA Nano Brain.

If you even need any help, AVA is here for you: support@ava.com

AVA Innovations AG
Niklaus-Konrad-Strasse 8
4500 Solothurn
Switzerland



You have completed the setup for a Nano Brain. Party like a rockstar.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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.

FCC Caution:

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.

Any changes or modifications not expressly approved by the party responsible for compliance 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

©2023 AVA Innovations AG, All Rights Reserved

Google, Android, Google Play, Google Play Store, YouTube and other marks are trademarks of Google LLC.

Documents / Resources

	<p>AVA Nano Brain [pdf] User Manual CO-CB1, 2A3K7-CO-CB1, 2A3K7COCB1, Nano Brain, Nano, Brain</p>
---	---

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.