

Novatonomy™

PEOPLE + AI + REAL WORK

A MORE CAPABLE TOMORROW
— TOGETHER



REAL-TIME SUPPORT.
REAL-WORLD SOLUTIONS.
A SAFER, SMARTER TOMORROW.

Nova 5.0

USER & ENGINEERING
MANUAL

MULTI-TERMINAL AI ASSISTANT
FOR REAL-WORLD OPERATIONS



Nova Link

Secure terminal-to-terminal
connection



Intercom

Full-duplex human-to-human
communication



Live Voice

Talk to Nova from either terminal



Live Camera

Share and view remote cameras
with intelligent context



Music EQ

20-band spectrum analyzer



Security

Identity. Trust. Control.



Reliability

Built for real-world environments

FROM IDEAS TO IMPACT

Novatonomy™

*"Same team.
Higher ground."
— Jason*



INSPECT TODAY



SOLVE TOGETHER



A BRIGHTER TOMORROW

VERSION 5.0
SEPTEMBER 2026

FIELD PROVEN | PEOPLE FOCUSED | FUTURE READY

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USER MANUAL - VERSION 5.0 | September 2026

Easy to Use - Step by Step - Real Examples

Welcome to Nova 5.0

Nova is an AI assistant that can work on a PC, iPad, or iPhone. Two Nova terminals can link together so people can talk, share cameras, and talk to Nova from either end.

The easy idea

Nova is one assistant with many terminals. A terminal is simply a device running Nova.

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1. Main Screen

These are the controls you will use most.

Nova Link - Connect this terminal to another Nova terminal.

Intercom - Appears while linked. Lets the two people talk directly.

Blue Live Voice - Turns Nova's semantic listening on.

Camera - Opens the local camera.

Live Camera - Keeps a camera view active for live visual use.

EQ - Shows a 20-band music spectrum from about 50 Hz to 20 kHz.

Remember - Keeps useful information available in Nova's continuity/memory experience.

Settings - Terminal, Link, and setup controls.

STOP - Ends the active session and linked media cleanly.

Simple rule

Blue Live Voice lit = Nova is listening for meaning. EQ lit by itself = Nova is only analyzing sound locally for the bars.

2. STOP

The easy 'end it now' control.

- 1 Press **STOP**.
- 2 Nova ends linked Intercom, linked Live Voice, camera media, and the active Link according to the current session rules.
- 3 The Link status disappears when the session ends.
- 4 Resume does not automatically reconnect the old Link.

Safety habit

When in doubt, STOP is the correct strong end control. For a normal Link ending, you can also use Disconnect.

3. Terminal Setup

Name it, enroll it, and authorize trust.

Name the terminal

- 1 Open **Settings**.
- 2 Find **Terminal**.
- 3 Give it an easy name such as PC HOME, IPAD HOME, IPHONE, or IPAD WORK.
- 4 Choose the type and save.

Enroll the terminal

- 1 Open **Settings -> Development - Nova Link**.
- 2 For a new terminal, choose **Enroll this terminal for Link**.
- 3 If a known terminal lost its Link credential and Nova says recovery is needed, use **Recover lost Link credential**.

Enrollment is not Trust

Enrollment authenticates the device. Trust allows a specific direction of connection.

Do not use security buttons as reset buttons

Rotate, Recover, Revoke, and Enroll are setup/security operations, not everyday connection controls.

4. Nova Link

Connect two terminals in a few taps.

- 1 Tap **Nova Link** on the terminal you are using.
- 2 That terminal automatically becomes **PRIMARY**.
- 3 Choose the **REMOTE** terminal.
- 4 Tap **Connect**.
- 5 When connected, the main screen shows the Nova Link status strip.
- 6 You may close the popup; the Link stays active.

Normal reconnect

After Disconnect, simply Nova Link -> choose Remote -> Connect. No credential maintenance should be needed.

5. Primary and Remote

The terminal that starts the current Link is Primary.

PRIMARY = the terminal that started this Link.

REMOTE = the terminal Primary selected.

To reverse roles, Disconnect first. Then start the next Link from the device you want to be Primary.

Remember

Primary and Remote are session roles, not permanent device types.

6. Intercom

Full-duplex person-to-person communication.

- 1 Connect two terminals with Nova Link.
- 2 Wait for **Intercom** to appear.
- 3 Tap **Intercom**.
- 4 Talk normally. Both people can speak in full duplex.
- 5 Nova should not treat ordinary Intercom speech as a command.

Three-way toggle

Last selection wins. Intercom can take control from Live Voice. Live Voice on either terminal can take control from Intercom.

7. Live Voice

Talk to Nova from either end of a Link.

- 1 Tap the **blue Live Voice** control on the terminal you want Nova to hear.
- 2 That terminal becomes Nova's active semantic microphone.
- 3 If Intercom was active, Live Voice takes over.
- 4 If the other terminal taps Live Voice, that terminal takes over.
- 5 Nova's spoken answer is sent to both linked terminals.

Current Nova 5.0 polish note

In the first physical NL-2 test, the Remote terminal heard Nova's answer, but the human speaking to Nova was not mirrored to the other terminal during Live Voice. Intercom itself worked very well.

To return to human-to-human talking, tap **Intercom**.

8. Camera and Live Camera

Use a terminal as Nova's eyes.

Camera opens the local camera preview.

Live Camera keeps the camera active for live viewing and visual context.

- 1 Tap Camera or Live Camera.
- 2 Allow camera permission if the browser asks.
- 3 Point the device at what you want to see.
- 4 On supported mobile devices, use the existing **Switch Camera** control to change front/rear camera.
- 5 Close or stop the camera when finished.

iPhone/iPad permission tip

If Safari does not pop up a permission request, open Website Settings for the Nova site and set Camera or Microphone to Allow.

9. Linked Cameras

Share camera views through Nova Link.

- Design goal: **Remote camera = Primary main view.**
- Nova remains visible in a picture-in-picture (PiP) window on Primary.
- Primary camera can appear in PiP on Remote.
- Changing Intercom/Live Voice mode should not tear down video.

Current Nova 5.0 polish note

The first physical NL-2 camera test worked immediately, but the Remote camera appeared in the PiP box instead of the full main view. The desired layout is Remote camera = main view and Nova = PiP.

For front/rear selection, use the Remote terminal's local Switch Camera control when available. The selected camera is the one intended to be shared.

10. 20-Band Music EQ

A local sound display that does not make Nova listen for commands.

- 20 independent music bands cover about 50 Hz to 20 kHz.
- EQ-only microphone analysis stays local to the browser.
- EQ-only mode does not start Nova semantic listening.
- EQ-only mode does not create model requests just because music is playing.
- When EQ and Live Voice are both on, the visible analyzer stays the 20-band music spectrum.

Easy rule

EQ hears sound for the bars. Live Voice listens for meaning.

- 1 Tap **EQ**.
- 2 Play music near the device.
- 3 Watch the 20 bands respond.
- 4 Tap EQ again to turn it off.

11. Remember and Settings

Keep useful information and setup controls organized.

Use **Remember** for information that will help later, such as project decisions, terminal names, workflow preferences, or important notes.

Use **Settings** for terminal names/types, Nova Link enrollment/trust/recovery, and Development diagnostics.

Normal users should not need credential controls

Everyday Link use should be Nova Link -> choose Remote -> Connect.

12. PC, iPad, and iPhone

Same Nova system, different terminal shapes.

Windows PC - Large workstation and home development/server interface.

iPad - Portable camera, voice, Link, and Intercom terminal.

iPhone - Pocket terminal useful for Link, voice, camera, EQ, and hotspot access.

Physical result

Nova 5.0 features have been exercised across PC, iPad, and iPhone. An iPhone hotspot also provided a successful alternate network path for a work iPad.

13. Networks and Reconnecting

Keep network trouble separate from credential trouble.

- 1 To end a Link normally, tap **Disconnect**.
 - 2 To reconnect, Nova Link -> choose Remote -> Connect.
 - 3 To reverse roles, Disconnect first, then start the next Link from the new Primary.
- Home LAN and iPhone hotspot operation have worked physically.
 - A corporate/work Wi-Fi network may restrict some direct WebRTC paths even when normal web access works.
 - If Nova works on a hotspot but not on restricted Wi-Fi, suspect the network path before changing enrollment or trust.

Do not rotate credentials because Wi-Fi is restrictive

Network connectivity and terminal credentials are different problems.

14. Troubleshooting

Read the status first, then fix only that problem.

NOT TRUSTED - Authorize the needed direction in Manage incoming trust.

ENROLLMENT REQUIRED - A valid Link credential is needed.

CONTROLLED_REENROLLMENT_REQUIRED - A server record already exists; ordinary Enroll is not the right path.

DISCOVERY UNAVAILABLE - Nova cannot currently deliver the authenticated terminal directory.

CONFLICTED - A competing or stale terminal context may exist.

REMOTE OFFLINE - Open/wake Nova on the Remote terminal.

CAMERA / MICROPHONE UNAVAILABLE - Check browser site permissions.

Safe troubleshooting order

- 1 Read the exact status.
- 2 Make sure only one normal Nova tab is active per terminal.
- 3 Confirm NOVA_READY.
- 4 Confirm enrollment.
- 5 Confirm the needed trust direction.
- 6 Confirm network access.
- 7 Try a normal Disconnect -> Connect.
- 8 Use Development diagnostics only if the simple checks fail.

Avoid credential piano

Rotate, Recover, Revoke, and Enroll are not reset buttons.

15. Quick Reference

The whole Nova 5.0 workflow on one page.

Talk to Nova: Blue Live Voice.

Watch music: EQ.

Use camera: Camera or Live Camera.

Link terminals: Nova Link -> choose Remote -> Connect.

Talk to the other person: Intercom.

Talk to Nova while linked: Live Voice on the terminal you want Nova to hear.

End Link: Disconnect.

Stop now: STOP.

Rule 1 - Last selection wins

Intercom and Live Voice take control from each other.

Rule 2 - Enrollment is not Trust

Enrollment authenticates the terminal. Trust allows a connection direction.

Rule 3 - Network trouble is not automatically a credential problem

If Nova works on another network or hotspot, investigate the network path before changing identity, enrollment, or trust.

Nova 5.0 physical acceptance highlights

- Full-duplex Intercom worked successfully in physical use.
- The three-way Intercom / Primary Live Voice / Remote Live Voice toggle worked successfully.
- Linked Live Camera worked successfully.
- STOP was physically used to end a session and worked cleanly.
- iPhone hotspot operation provided a successful alternate network path for a work iPad.

Nova 5.0 philosophy

Keep the hard engineering underneath. Keep the controls simple on top.

End of Nova 5.0 User Manual

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