

NovaMic Video — User Guide

Service 3 · Remote video + audio reporting for radio and TV Version 1.0 · July 2026 · novamic.busycol.com

What is NovaMic Video?

NovaMic Video lets your reporter **broadcast live HD video from the browser**, synced with their broadcast audio, directly to your station's Studio. Ideal for:

- **Local TV** with remote coverage without mobile units
- **Streaming on YouTube/Facebook** with field reporters
- **Visual radio** for glass studios and event coverage
- **Visual coverage** of games, marches, breaking news

Fundamental rule — audio always first:

In NovaMic Video, **audio is the absolute priority**. The system guarantees the reporter's voice is never degraded, even on marginal connections. Video is automatically dialed back if needed, but audio stays at 64 kbps broadcast opus always.

This rule is hardware-level — it can't be disabled. Your on-air voice will never break because of video.

Requirements

For the reporter (field)

- Android smartphone (Chrome 100+) or iPhone (Safari with iOS 15+)
- Or laptop with updated Chrome, Edge, Firefox or Safari
- Built-in camera (phone's is enough)
- Headphones with microphone (recommended)
- Connection: good WiFi **or** 4G/5G with at least 500 kbps upload

For the operator (Studio)

- Computer with updated Chrome, Edge or Firefox (Chrome recommended)
- Audio output connected to your mixer
- Large monitor (1080p+ preferred) for multiple simultaneous reporters

Station plan

- **Must have active Reporter (audio) plan** — Video adds on to your audio plan, doesn't replace it
 - Video Starter (+\$15/month) — 3 concurrent video reporters, 480p
 - Video Pro (+\$29/month) — 10 concurrent video reporters, 720p HD
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Step by step — Reporter (field)

1. Open the link

You'll get a link like:

```
https://novamic.busycol.com/repv/reporter/?e=12
```

Open it in your browser. **No app to install.**

2. Enter your name and city

The first time, the system asks for:

- **Name** (appears on the operator's card)
- **City / location** (identifies the coverage)

These stay saved on your phone — no need to enter each time.

3. Activate camera

A purple panel opens automatically with the "**Activate camera**" button. When you tap it:

- Browser asks permission for camera and microphone → **Allow**

- By default the **rear** camera turns on (broadcast: you show the scene, not your face)
- You can switch to **front camera** with the **Switch camera** button

4. Choose quality

Before activating, pick the quality:

- **Low (240p · mobile data)** — for marginal 3G or data saving
- **Medium (480p · basic WiFi)** — recommended default
- **High (720p · good WiFi)** — if you have strong signal

The system automatically lowers quality if the connection can't handle it — but audio is never degraded.

5. Go on air

When the operator puts you on air, you'll see the **ON AIR** red indicator. Video and audio are streaming to the Studio.

Best practices:

- **Hold the phone horizontally** — the Studio expects 16:9 aspect
- If you need to point at the reporter: **use front camera**
- If you want to show the scene: **use rear camera**
- **Use headphones** — prevents mic from picking up return audio
- Keep the browser visible — **DO NOT lock the screen** while on air

6. End

Close the tab or tap **Stop camera**. Connection closes automatically.

Step by step — Operator (Video Studio)

1. Open the Video Studio

Go to:

<https://novamic.busycol.com/repv/studio/?e=12>

Log in with your username and password (same as audio Studio).

2. Wait for reporters

When a reporter opens their link and activates camera, their **card** appears with:

- Live video (16:9)
- Name and city
- **Audio VU meter** (always visible — audio-first policy)
- Real-time audio bitrate and quality
- Control buttons

3. Put on air

Each card has 4 buttons:

- **ON AIR** marks the reporter as published (pulsing red badge)
- **Mute** silences ONLY your local monitoring (reporter stays on air)
- **Fullscreen** video in full screen
- **🔄 Reconnect** — renegotiates connection if there are issues

⚠ **Important:** the Mute button does NOT cut the reporter from air — it only silences your local monitoring. To actually cut them, use the ON AIR button (toggle OFF).

4. Monitor quality

- **Green/amber VU:** healthy audio level
- **Red VU:** clip — ask reporter to lower voice or move away from mic
- **Audio bitrate < 20 kbps:** probably bad network, audio may sound compressed
- **Black video:** reporter didn't activate camera or permission denied

5. Multiple reporters

You can have several reporters at once — each card is independent. You can put one, two or as many as you want on air as needed.

Troubleshooting

Reporter says "Permission denied" for camera

Cause: browser has permission blocked for novamic.busycol.com.

iPhone Safari fix: - Settings → Safari → Camera → Allow - Or clear site data:
Settings → Safari → Advanced → Website Data → search novamic → delete

Chrome Windows fix: - Click the lock in URL bar - Site settings → Camera → Allow
- Reload page with Ctrl+Shift+R

Black video but audio works

Cause: reporter connected but didn't activate camera.

Fix: reporter must tap "**Activate camera**" in the purple panel bottom right.
Operator can tap  **Reconnect** to force renegotiation.

Erratic / dropping audio

Cause: reporter has unstable connection.

Fix:

- Reporter switches WiFi to 4G (or vice versa)
- Reporter picks **Low (240p)** quality to save bandwidth
- If persistent: the system already prioritizes audio — video degrades but audio should hold

Studio doesn't show connected reporters

Cause: station number `?e=XX` doesn't match between reporter and studio.

Fix:

- Verify links: `/repv/reporter/?e=12` and `/repv/studio/?e=12` must have the same number
- Reload Studio with Ctrl+Shift+R

Reporter shows video but freezes intermittently

Cause: browser put the tab in background (battery) or system turned off video processing.

Fix:

- iPhone: **DO NOT** lock screen — keep browser visible always
 - Android: disable **Battery Saver** for the browser
 - Plug in the device if battery is low
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Contact and support

- **Email:** contacto@busycol.com
 - **Documentation:** novamic.busycol.com
 - **Admin panel:** admin-novamic.busycol.com
 - **Live emergencies:** call your station operator directly
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