
USER MANUAL

ADI-AI Forensic Audio Intelligence

BASIC-F — The Forensic Workstation

Version 1.0 · Platform: Windows 11

Last updated: June 16, 2026

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Built, hosted, everything, in the United States.

1. About this manual

This manual describes how to install, activate, and operate ADI-AI Forensic Audio Intelligence (BASIC-F). It also explains the **operating constraints** of the BASIC-F tier -- the deliberate boundaries that define how the product behaves -- so that you can plan your work with full knowledge of what the tool does and does not do.

BASIC-F is a single-operator forensic audio workstation. It transcribes, restores, and analyzes audio while maintaining a logged chain of custody at every step, and it does all of this **on your own machine**.

2. What BASIC-F does

BASIC-F takes an audio recording and produces a structured, traceable result while preserving the integrity of the original. In summary, it:

- Makes a **bit-perfect forensic copy** of your source audio and records a SHA-256 hash at acquisition. The original file is never modified.
- Records a **SHA-256 hash at every processing step**, maintaining an unbroken, logged chain of custody.
- **Restores** degraded audio (denoising and declipping) to recover intelligible speech.
- **Transcribes** the audio with validity checks and confidence scoring.
- **Analyzes** the audio with speaker diarization and conversation threading.
- **Publishes a defined evidence set** to a case folder you choose, and records a manifest of exactly what was produced and where. Your evidence stays with you; only ADI-AI's own internal working files are cleaned up afterward.

All processing happens **locally on your device**. Audio and derived data do not leave the machine. The only network interaction is license validation.

3. System requirements

Requirement	Specification
Operating system	Windows 11 (64-bit)
Processor	Modern multi-core x64 CPU. No graphics card (GPU) is required; BASIC-F runs entirely on the CPU.
Memory (RAM)	16 GB minimum
Disk space	10 GB free (this covers installation plus headroom for the private working area used during a run)
Network	Required at activation and periodically for license validation. Not required during audio processing.
Privileges	No administrator rights required. BASIC-F installs for the current user.

Constraint -- single workstation. BASIC-F is licensed and built to run on **one device at a time**. This is a deliberate design choice for a single-operator forensic workflow, not a capacity limit you are expected to work around. See Section 9 for moving your license to a new machine.

Constraint -- CPU-based processing. BASIC-F performs its processing on the CPU and is tuned to run on a single workstation. Higher-throughput, GPU-accelerated processing is part of the PRO product line, not BASIC-F.

4. Installation

1. After purchase, you will receive an email containing your **license key** and a **download link** for the installer.
2. Download the installer: **ADI-AI Forensic Intelligence Setup 1.0.0.exe**.
3. Run the installer. BASIC-F installs for the current user and does not require administrator rights; no installation options need to be chosen.

4.1 Windows SmartScreen notice

When you run the installer, Windows may display a "**Windows protected your PC**" notice, or mark the download as "**not commonly downloaded**."

This is expected for newly published software. ADI-AI is establishing its publisher code-signing certificate; until that certificate is issued and Windows SmartScreen builds reputation for our signed releases, this prompt may appear. It does **not** indicate a problem with the software.

To proceed:

1. Click **More info**.
2. Click **Run anyway**.

4.2 If the download appears to stall

If your browser appears to stall at the end of the download -- for example, a file that remains named with a temporary `.crdownload` extension after the transfer has finished -- allow it a moment to finalize, or retry the download. Once the full file has transferred, the browser will rename it to the final `.exe`.

5. First run and activation

The first time you launch ADI-AI, you will see the **activation screen** (the License Gate).

1. Enter your **license key** in the key field. License keys are in the format `ADIF-XXXXX-XXXXX-XXXXX`.
2. Click **Activate**.
3. On success, the application unlocks and is bound to this device.

5.1 How activation works

- A license is **bound to one device at a time**. The binding uses a device fingerprint derived from your hardware.
- Attempting to activate the same license on a **second device** while it is active on the first is blocked. To move to a new machine, see Section 9.
- After activation, the license is **validated at launch** and tolerates **brief offline periods** (see the offline-grace constraint below), so you can work without a constant connection.
- If a subscription is cancelled or lapses, access ends after the offline-grace window elapses.

Constraint -- license validation requires occasional connectivity. BASIC-F is designed to work offline for normal sessions. After a successful online validation, BASIC-F will continue to launch offline for up to **7 days**. Connecting to the internet and launching the application resets this window. This protects the licensing model while keeping your audio processing entirely local. (The offline-grace period is a configurable setting; 7 days is the default.)

6. Selecting your case folder

On first run, you choose a **case root folder** -- the location where ADI-AI will publish completed evidence sets.

- The default suggested location is your Windows **Documents** folder.

- You may choose a different location.
 - The chosen location must be on a **local fixed drive**. Cloud-synced folders and removable drives are not used, to keep the chain of custody on controlled local storage.
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7. Processing audio

1. Provide your source audio file to ADI-AI.
2. ADI-AI makes a bit-perfect forensic copy and records a SHA-256 hash at acquisition.
3. The pipeline runs: restoration, transcription, and analysis, recording a SHA-256 hash at each step.
4. During processing, your case folder stays empty -- all work is performed in a **private, isolated working area** on your machine, not in your evidence folder.
5. On completion, ADI-AI **publishes the evidence set** to a per-case subfolder inside your chosen case folder.
6. A summary manifest records exactly what was produced and where. Your evidence set stays in your case folder; ADI-AI then cleans up only its own internal working files.

7.1 Supported audio formats

BASIC-F accepts the following audio formats and converts them to its internal working format automatically before processing:

- **WAV**
- **FLAC**
- **MP3**
- **M4A**
- **AAC**
- **OGG**

If you provide a file in a format that cannot be decoded (for example, a proprietary recorder format such as Olympus DSS), BASIC-F will flag it as unsupported and tell you how to proceed -- typically, export or convert the recording to WAV, FLAC, or MP3 from the device's own software first, then provide that file to ADI-AI.

7.2 The evidence set

When processing completes, BASIC-F publishes a defined set of files to a per-case subfolder inside your case folder:

- The **transcript**.
- **chain_of_custody.md** -- the chain-of-custody record, logging the SHA-256 hashes recorded at each step.
- **audio.wav** -- the verified working copy of your audio, alongside **audio.wav.sha256**, its SHA-256 hash.
- **summary.json** -- a structured summary of the run.

Constraint -- processing does not resume across restarts. If a run is interrupted (for example, by closing the application or restarting the machine mid-processing), BASIC-F does not resume that run from where it stopped; you begin the run again. This is a deliberate forensic constraint: it guarantees that every published evidence set is the product of a single, clean, fully-logged run rather than a stitched-together partial one.

Constraint -- the original is never touched. All processing is performed on the forensic copy. Your original source file is never modified by ADI-AI.

8. When a case is complete

Every artifact BASIC-F creates during processing is tracked by hash and location, and a summary manifest (`summary.json`) records exactly what was produced and where. ADI-AI never deletes your evidence. When a run is complete, ADI-AI cleans up only its own internal working files; your evidence set is untouched. This accountability of every artifact aligns with the data-handling principles of NIST SP 800-88.

The published evidence set in your case folder is **yours** and remains in the location you chose. It is stored outside the application, so it is not affected by application updates or by uninstalling the software.

9. Moving your license to a new computer

A license is bound to one device at a time and can be **reassigned** to a new machine through your account.

To move BASIC-F to a new computer, contact support at support@adi-ai.ai with your license key. Once your license is released from the old device, you can install BASIC-F on the new machine and activate with the same key.

10. Uninstalling

BASIC-F installs with a standard Windows uninstaller.

- An entry for **ADI-AI Forensic Intelligence** appears in Windows **Settings > Apps > Installed apps** (also reachable as "Add or remove programs").
- Uninstalling removes the application and its program files from your machine.
- Your **published case evidence is preserved**. It lives in the case folder you chose (by default, inside Documents), which is outside the application, and is not removed by uninstalling.

Note: by default, uninstalling removes the application but does not remove the small local activation record stored under your user profile. If you intend to fully reset activation on a machine, contact support@adi-ai.ai for guidance.

11. Operating constraints at a glance

This section collects the BASIC-F constraints in one place. Each is a deliberate boundary of the BASIC-F tier.

Constraint	What it means	Why
Single device	Runs on one machine at a time; reassignable via your account	Single-operator forensic workflow
CPU-based processing	Tuned to run on one workstation's CPU; no GPU required	GPU throughput is a PRO-line capability
No resume across restart	An interrupted run is started over, not resumed	Guarantees each evidence set is one clean, fully-logged run
Local processing only	Audio never leaves the machine	Privacy and chain-of-custody integrity
Periodic license validation	Works offline for up to 7 days; validates periodically online	Protects the licensing model
Local fixed-drive case folder	Case folder must be on local storage	Keeps custody on controlled storage

12. Privacy and data handling

- Your audio and all derived data are processed **locally on your device** and do not leave the machine.
- The only network interaction is **license validation**.
- There is **no cloud processing, no telemetry, and no hidden writes** into your evidence folder.
- Network connections use **modern TLS (1.2 and 1.3)**.
- ADI-AI's security and data-handling practices are built to align with the principles of **NIST SP 800-53** and **NIST SP 800-88**. ADI-AI is **pursuing ISO 27001 certification**.

13. Support

- Support: support@adi-ai.ai
- General inquiries: info@adi-ai.ai

ADI-AI is a veteran-founded company. All work is performed in the United States.

End of manual.