TECHNICAL SPECIFICATIONS & DELIVERY PROTOCOLS

Studio: Bansuri Bliss / Akshat Mehrotra

1. MONITORING & IMMERSIVE FORMATS

Our facility is equipped for full-spectrum audio post-production, ranging from stereo broadcast to immersive object-based mixing.

- **Supported Formats:** Stereo (2.0), 5.1 Surround, 7.1 Surround, Dolby Atmos (7.1.4 rendering).
- **Monitoring:** Calibrated Genelec Reference Monitoring System.
- **Loudness Standards:** Compliant with Netflix, Amazon Prime, and Disney+ delivery specs (e.g., -24 LKFS / -27 LKFS, True Peak -2dBTP).
- **Atmos Delivery:** ADM BWF (Audio Definition Model), Re-renders (5.1, Stereo Binural), and Damf (Dolby Atmos Master File) upon request.

2. RECORDING CHAIN (Bansuri & Solo Instruments)

We utilize a pristine analog front end to ensure commercial-grade fidelity for all remote session work.

- **Microphones:** Austrian Audio OC818 (Matched Pair) – offering multi-pattern capture for flexible post-processing.
- **Preamplification:** Rupert Neve Designs Shelford Channels (x2).
- **Conversion:** Antelope Orion 32 (Class-A AD/DA Conversion).
- **Noise Floor:** Ultra-low noise floor suitable for high-dynamic-range cinematic content.
- **Sample Rates:** Recording capability up to 192kHz / 32-bit Float.

3. SCORING & VIRTUAL ORCHESTRATION

- **DAW:** Logic Pro X (Latest Version).
- **Libraries:** Extensive collection of industry-standard orchestral and hybrid libraries (Spitfire, Orchestral Tools, Heavyocity, etc.).
- **Delivery:** All scores can be delivered as:
    - **Stereo Mix:** Mastered or Unmastered.
    - **Stems:** Wide stems (Strings, Brass, Percussion, Synths, Soloists).
    - **Pre-Mix:** 5.1 or Atmos Bed tracks provided for final dub stage integration.

4. DATA MANAGEMENT & SYNC

- **Timecode:** All files delivered sync-locked to picture (SMPTE).
- **Frame Rates:** Compatible with all standard frame rates (23.976, 24, 25, 29.97, etc.).
- **File Naming:** Professional Snake_Case naming convention used for easy integration into Avid/ProTools sessions (e.g., `Cue_1m04_TheChase_Bansuri_Stem_v2.wav`).

5. REMOTE COLLABORATION

- **Remote Reviews:** Live mix review capability via Audiomovers / Listento for real-time client feedback.
- **Transfer:** Aspera, High-Speed Private Server, or Dropbox Enterprise for secure, rapid file transfer.