



### FLASH-DRIVE-USB Replacement Software

The FLASH-DRIVE-USB Replacement Software is a critical administrative tool engineered specifically for the recovery, restoration, or migration of head-end control software on Wireless Desk Consoles. This master software package comes pre-loaded onto a high-reliability, hardware-verified industrial USB flash drive, designed to completely re-image or update master receiver desks (such as the Micro-Vision series or compatible PC-based wireless monitoring consoles).

Whether deployed during a catastrophic hard-drive failure, hardware upgrade, or routine system lifecycle maintenance, the FLASH-DRIVE-USB ensures that facility managers can swiftly restore active emergency monitoring, station registration tables, and data-logging frameworks without requiring an active internet connection or external server access.

### Architects and Engineers Specifications

#### 1.0 Operating Software and Master Recovery Media Requirements

- A. The contractor shall provide a dedicated physical software recovery and replacement medium, Model Flash-Drive-USB, for each wireless master desk console deployed across the facility.
- B. The software shall be delivered on a high-retention, read-only protected industrial USB drive capable of executing a complete system restore independent of cloud connectivity or remote facility network pipelines.
- C. The utility must fully install the primary user interface console environment, peripheral driver arrays, internal database architectures, and all audio signaling registers required to return a non-functional desk console to full UL 1069 monitoring compliance.
- D. The replacement utility shall include built-in database validation scripts to prevent the accidental corruption or overwriting of pre-existing room matrix telemetry tables and pager integration mapping models during deployment.

### Product Specifications

- Manufacturer SKU: Flash-Drive-USB
- Application Target: Wireless Master Desk Consoles / Central PC Receivers
- Media Hardware Profile: Industrial-grade, high-retention USB 3.0 Type-A Flash Memory
- File System Delivery Format: Super-stable exFAT / NTFS partition format
- Min. Host RAM Requirement: 4 GB
- Compatible Operating Architecture: Embedded Windows IoT / Standard Windows Professional / Dedicated Linux Console Kernels
- Encryption Protocol: AES 256-bit software package protection to prevent unauthorized alteration

### Equipment Options

The software kit is provided in a standard standalone recovery medium, but system layout parameters can be customized based on facility configurations:

- FLASH-DRIVE-USB (Standard): Single-license master recovery drive containing base firmware, console UI software, and default audio annunciation profiles.
- Network Client License Expansion (Optional): Software configuration key file pre-loaded onto the drive to enable multi-terminal mirroring across local nurse station client PCs.
- Advanced Logging Module (Optional add-on): Pre-configured database drivers allowing the replacement software to link directly with external SQL storage or automated report generation engines.

## Standard Features

- **Bare-Metal Restoration:** Contains a complete bootable environment to wipe and cleanly install host operating parameters, database paths, and communication driver stacks directly to a blank console storage drive.
- **Intelligent Configuration Auto-Import:** Automatically detects, isolates, and merges existing system backup files (room profiles, transmitter IDs, wireless pendant assignments) if a salvageable directory path is discovered during installation.
- **Integrated Wireless Device Logger:** Re-installs local terminal call logging utilities, enabling the desk console to systematically archive the date, time, duration, and priority level of every active patient room call event.
- **Pre-Compiled Sound Registry:** Reloads standard high-visibility audio indicators and emergency vocal annunciation scripts across multiple channels for distinct call priority identification (e.g., Routine, Bathroom, Emergency, Code Blue).

## Compliance and Certification

The software compilation and its structural physical storage medium conform to the following industrial electronics and computing safety benchmarks:

- **UL 1069 & UL 2560 System Core Compliant:** Software application blocks are fully certified for integration within broader emergency visual and wireless call environments under strict life-safety parameters.
- **FCC Part 15 Class A Verification:** The physical solid-state delivery device generates minimal stray RF emissions, ensuring it will not cause electromagnetic interference when plugged into control terminals operating inside medical clean rooms or near sensitive patient monitors.
- **RoHS Compliant:** The physical flash memory drive is manufactured using entirely lead-free solder profiles and contains no hazardous environmental substances.