



## CUSTOM-FRAME

The CUSTOM-FRAME series provides a comprehensive line of commercial-grade retrofit adapter plates, trim rings, and upgrade frames designed to transition legacy nurse call or intercom wall openings to current-generation technology. When facilities upgrade their patient communications without undergoing costly drywall or structural masonry reconstruction, the CUSTOM-FRAME acts as the physical bridge. It cleanly covers oversized, irregular, or damaged legacy backbox footprints (such as old 2-gang, 3-gang, 4-gang, or multi-tapped intercom boxes) while providing a high-precision mounting pattern for modern, low-profile nurse call stations, duty stations, or staff intercom units.

## Architects and Engineers Specifications

### 1.1 GENERAL

- A. Where legacy patient stations, duty stations, or staff intercom stations are removed and replaced with current-technology nurse call hardware, the contractor shall furnish and install architectural retrofit adapter plates.
- B. Retrofit adapter frames and plates shall bear the product model identifier CUSTOM-FRAME.

### 1.2 MATERIAL & ARCHITECTURAL REQUIREMENTS

- A. Upgrade frames shall be constructed of [Select: 18-gauge #4 finish stainless steel / 14-gauge anodized aluminum / high-impact UL94V-0 rated ABS polymer] and must completely span the rough-in opening of the legacy device.
- B. The adapter plate must provide a minimum of 0.50 inches of perimeter coverage beyond the edge of the existing wall box opening to conceal structural imperfections and historical finish lines.
- C. The plate shall feature a low-profile, beveled perimeter to mitigate dust accumulation and prevent accidental catch points for medical carts or rolling equipment.
- D. Grounding continuity must be maintained via a dedicated, integrated grounding point on all metallic frame models in accordance with local and national electrical codes.

## Product Specifications

- **Manufacturer SKU:** CUSTOM-FRAME
- **Material Thickness:** 14-Gauge (Aluminum) / 18-Gauge (Stainless Steel) / 0.090" (ABS Composite)
- **Standard Finishes:** Brushed Stainless, Architectural Matte White, Custom Powder Coat (Optional)
- **Edge Profile:** 5-Degree internal/external bevel for a zero-gap wall seat
- **Mounting Compatibility:** Adapts to legacy 2, 3, 4-gang electrical boxes, as well as proprietary legacy enclosures
- **Inner Cutout Configuration:** Multi-gang device opening matching standard current-gen wireless/wired stations
- **Chemical Tolerance:** Full resistance to hospital disinfectants (Clorox, Cavicide, 70% Isopropyl Alcohol)

## Equipment Options

Because retrofit needs vary widely based on the legacy system being replaced, the CUSTOM-FRAME SKU is configurable using the following construction options:

- **CUSTOM-FRAME-AL:** Lightweight architectural anodized aluminum construction; optimal for cleanrooms and clinical corridors.
- **CUSTOM-FRAME-SS:** 18-Gauge #4 finish Stainless Steel construction; ideal for high-sanitation, intensive care, and heavy-abuse environments.
- **CUSTOM-FRAME-P:** High-impact, flame-retardant ABS composite; cost-effective option color-matched to modern off-white nurse call plastic enclosures.
- **CUSTOM-FRAME-CUS [Dimensions]:** Custom-dimension laser cutting for non-standard, historical, or proprietary legacy master stations (specify height, width, and inner cutout when ordering).

## Standard Features

- **Universal Multi-Pattern Punching:** Pre-drilled and tapped with multiple orientation matrices to adapt old architectural footprints to modern devices.
- **Oversized Trim Footprint:** Engineered with wide perimeters to cleanly conceal paint lines, torn wallpaper, and damaged drywall edges left by legacy hardware removal.
- **Heavy-Gauge Rigid Construction:** Fabricated from structural-grade metal or high-impact composite to prevent warping or flexing when patients or staff press station buttons.
- **Flush-to-Wall Alignment:** Features a shallow, beveled edge profile that matches architectural contours and ensures a tight, dust-resistant seal against uneven wall surfaces.

## Compliance and Certification

As a structural mounting and enclosure accessory for life-safety signaling and intercom pathways, the CUSTOM-FRAME meets or exceeds the following regulatory benchmarks:

- **FCC Status:** Classified as an unregulated passive mechanical enclosure accessory. Metallic configurations provide localized passive RF shielding, while composite variations are RF-transparent, ensuring zero degradation to wireless pendant or station telemetry.
- **UL Flammability Rating:** Composite (ABS) variations are molded from material strictly compliant with UL 94V-0 (Self-extinguishing flame rating). Metallic variants comply with structural load requirements under UL 1069 (Standard for Hospital Signaling and Nurse Call Equipment) when paired with listed stations.
- **RoHS Status:** 100% RoHS Compliant. Free from lead, cadmium, hexavalent chromium, and restricted flame retardants (PBBs/PBDEs).

## More Features

- **Tamper-Resistant Hardware Support:** Countersunk mounting holes accommodate security/Torx fasteners to prevent unauthorized removal in high-traffic or psychiatric care environments.
- **Integrated Grounding Stud:** Metal frame configurations feature a dedicated, pre-tapped grounding point to ensure continuous electrical continuity across retrofit hardware.