



BlackJack
by HATCH+MED

Universal Magnetic Breakaway Cable

A secure bed-to-nurse-
call connection that
keeps bed-exit alarms
reliable.

Connecting patients to technology in a way that makes sense.

Since 2012, HatchMed has helped hospital teams work safer and more efficiently with technology designed around their real-world needs. Founded by Brian Hatch, the company brings over 30 years of combined experience in software, hardware, and design, and has earned the trust of prominent hospitals across the country.

Our mission is simple: help patients leave the hospital healthier, happier, and faster. We stay collaborative, agile, and intuitive in everything we build.

HATCH+MED



The problem BlackJack solves

When the cord pulls loose, the bed-exit alarm goes silent, and no one knows until a patient falls.

BlackJack

What it does

The bed-to-nurse-call connection has to survive constant movement. BlackJack holds firm during transport, cleaning, and room turnover, then releases cleanly under tension instead of bending pins or breaking the port. It works with any bed and any nurse call system.



Magnetic Breakaway

The two halves click together and hold firm through transport, cleaning, and room turnover. Under a hard pull, the connection releases cleanly instead of bending pins or breaking the port.



Works With Any Bed

One cable system for every bed and nurse call jack in the building. Stryker, HillRom, Linet, and Umano all connect, so a mixed fleet stays simple to stock and maintain.



Reliable Bed Alarms

A bed-exit alarm only works when the bed stays connected. After deploying BlackJack, fall rates dropped up to 49% and injury fall rates up to 69% across four units at a major health system.



Built to Last

37 gold-plated, individually spring-loaded pins and UL-listed AVLV2 wiring. Because the magnet takes the strain, the connector avoids the stress that wears out ordinary cables.



FDA Registered



UL 1069 Certified



Clinically Validated



600+ Hospitals



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BlackJack

Which BlackJack do I need?

Every BlackJack setup has two halves: a wall-side component that connects to your nurse call jack, and a bed-side component that connects to your bed. The magnetic breakaway sits between them. Your configuration depends on what is on your wall and what beds you have.

1 Identify your wall jack



Standalone 37-pin plate

Surface-mounted steel plate with an exposed 37-pin receptacle. Check whether it is vertical or horizontal.



HillRom BIU / ASBC

37-pin jack built into a HillRom patient station faceplate. Note orientation and height from the floor.



Ascom T5 patient station

37-pin jack integrated into an Ascom T5 unit.



1/4-inch wall port

A 1/4-inch audio-style port instead of a 37-pin jack. Limited to a single signal.

2 Identify your beds

stryker



Stryker or Umano

Female 37-pin port on the bed. You need a male connector cable.



LINET

HillRom or Linet

Male 37-pin port on the bed. You need a female connector cable.

3 Recommended configurations



A. XA brick + right-angle cable

The most common setup, for vertical 37-pin plates above 2 ft. The XA brick mounts on the jack and the right-angle cable hangs straight down.

- Stryker / Umano: XA + XMR
- HillRom / Linet: XA + XFR



B. Short wall + long bed cable

Best when XA is not viable: horizontal plates, jacks under 2 ft, or an Ascom T5 off to the side. The CFR2 patch bolts to the plate.

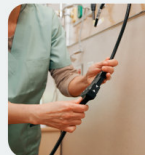
- Stryker / Umano: CFR2 + XM6
- HillRom / Linet: CFR2 + XF6



C. Quarter-inch port setup

For facilities with a 1/4-inch wall port instead of 37-pin. Carries a single signal such as the bed-exit alarm.

- CFP2 + XM6 or XF6, by bed type



D. Bed-side breakaway (uncommon)

Used when a wall-side break point is not practical. The magnet sits near the bed instead, always with CFR6 on the wall.

- Stryker / Umano: CFR6 + XM2
- HillRom / Linet: CFR6 + XF2

Quick pairing rules

XA wall brick pairs with right-angle magnetic bed cables (XMR, XFR). A short wall cable (CFR2, CFP2) pairs with a 6 ft bed cable (XM6 or XF6). A long wall cable (CFR6, CFP6) pairs with a 2 ft bed cable (XM2 or XF2).

BlackJack

Components & compatibility

BlackJack is a small family of wall-side and bed-side parts. Match the wall-side piece to your jack and the bed-side cable to your bed, then use the table to confirm the combination.

Wall side



XA (wall brick)

Mounts on the 37-pin plate. Wafer on for standard plates, off for HillRom BIU/ASBC.



CFR2 (2 ft patch)

Magnetic brick on a short right-angle 37-pin cable, bracketed to the plate.



CFR6 (6 ft patch)

Longer CFR2, same build. For bed-side breakaway or a distant jack.



CFP2 / CFP6 (quarter-inch plug)

Adapts a 1/4-inch port to the magnetic brick. Single signal only.



Dummy Plug (DFR)

Snaps on the wall magnet to clear cord-out alarms where a cable must be present.



Security Bracket (HMNO-4760-KIT)

Locks a CFR cable to the plate with a stainless faceplate for strain relief.

Bed side



XMR / XFR (right-angle, 8 ft)

Hangs parallel to the wall. Pairs with XA only.



XM2 / XM6 (male cable)

Plugs into the bed's female port. Stryker and Umano beds.



XF2 / XF6 (female cable)

Fits the bed's male output. HillRom and Linet beds.



XAF (adapter)

Adds magnetic breakaway to an existing non-magnetic bed cable.

Wall-side compatibility

Wall-side part	Works with	Not for
XA	Vertical 37-pin plates, HillRom BIU/ASBC (wafer off), and Ascom T5 stations	Horizontal plates and 1/4-inch ports
CFR2 / CFR6	Any 37-pin plate: vertical, horizontal, HillRom BIU/ASBC, or Ascom T5	1/4-inch ports
CFP2 / CFP6	1/4-inch ports, carrying a single signal	37-pin jacks

BlackJack Specifications



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info & install guide

BlackJack is a passive 37-pin cable that carries the full bed signal set end to end. The magnetic break point is the only join in the run.

Cable & electrical

Wire type	UL-listed AVL V2
Conductors	37 conductors, 24 AWG
Jacket	6.5 mm OD PVC
Connector	DP37 male and female
Contacts	Gold plated
Pins	37 individually spring-loaded, magnetically backed
Power	100 VA, 5 A at max rated voltage and frequency
Voltage	30 VAC 60 Hz or 42.4 VDC

Regulatory & accessories

Certifications	UL/cUL 1069 (nurse call), FDA Registered Medical Device (Class 2 Exempt)
CSA	22.2 No. 205-12
Patents	US10863012B2, US20220066525A1
Wall plate	Surface-mount with strain relief, standard single-gang
Warranty	1-year full coverage

Cleaning & maintenance

Clean cables with approved hospital disinfectants such as Clorox Healthcare Bleach Germicidal or Virex II 256. Pre-clean with mild detergent, apply disinfectant, let it dwell, then wipe with clean water. Keep liquid off the 37-pin connectors and magnet faces, and use a dry nylon brush to clear debris from the magnetic connection.



See the connection at a glance

HighLightX mounts on the headwall and turns BlackJack's connection into a clear color signal, green when the bed is connected and communicating, so staff can confirm it without troubleshooting.



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