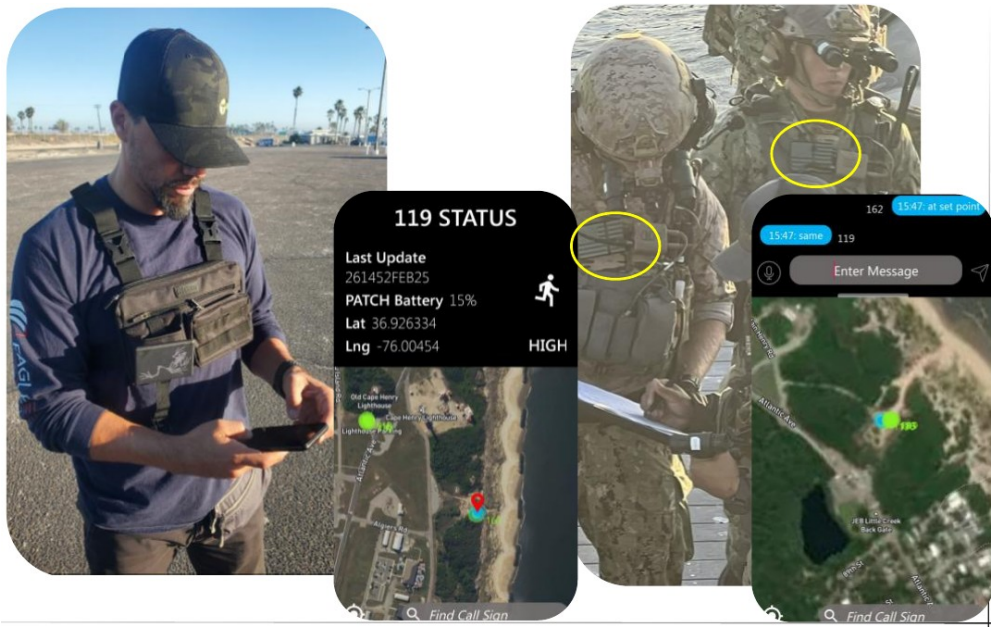
PATCH Personal and Tactical Communication Hardware



IMPACT

PATCH is an alternative and supplement to existing tactical radios, extending situational awareness to dismounted personnel without the cost, weight, and complexity of issuing a MANET tactical radio to every soldier.

- **PLI without a radio per operator:** 1 MANET radio per section; a 2 oz (57 g) PATCH on each team member lightens the load
- **Lower probability of detection:** low power, commercial waveform mesh vs. a MANET tactical radio
- **Native TAK, built in house:** the PATCH app streams the whole team into ATAK, WinTAK and WebTAK over any radio or network, with no plugin
- **NATO EFDI (SEP 2026):** 6 verified PATCH integrations with partners 2iC and Benjia
- **Not a controlled item (non-ITAR):** can be issued to partner and coalition forces

TECH DESCRIPTION

- **2 oz (57 g), IP68 waterproof wearable** for encrypted texting, GPS & automated wellness checks
- **Zero infrastructure –** PATCH mesh together into a private, AES-256 encrypted off-grid network (SnapMesh)
- **Patented QR code setup** (US 12,720,560 B2) – any PATCH joins a network in minutes
- **Stand-alone tracker** or paired with a smartphone for in-app texting and native TAK export
- **RF quiet –** 50 mW, 50-byte bursts; range 4+ miles (6.4+ km) on land, 10+ miles (16+ km) on water
- **12-hour battery;** Qi wireless charging in 3 hrs (no USB ports)
- **No data at rest;** network keys wiped at shutdown
- **Encrypted end to end:** AES-256 mesh, secure BLE, TLS 1.3 to TAK

NATIVE TAK INTEGRATION (NO PLUGIN)



PATCH mesh
AES-256, up to 60

EUD
PATCH app, CoT + JSON

ATAK WinTAK WebTAK
+ JSON to any COP

- **No plugin on either side:** standard CoT over MANET, internet or SATCOM
- **One dot per PATCH:** battery, activity, role, heading, GPS jamming and replay attack alerts
- **Joins a TAK Server** with one QR scan and a password

PRICING



PATCH Kit $35,900 MSRP
20x PATCH, waterproof case, wireless charger



C2 Kit $27,900 MSRP
2 tablets, 2 phones, 4x PATCH, 2 NavBoards, 2 chest harnesses, 2 USB-C cables, 2 chargers, case



Leader (LDR) Kit $27,500 MSRP
4 configured XCover7 Pro phones, 4x PATCH, 4 NavBoards, 4 chest harnesses, 4 USB-C cables, 4 port and 2 wireless chargers, case



Evaluation Kit $4,995
5x PATCH + 2 XCover7 Pro phones; one per unit, direct only

- **TAK export included;** no subscriptions; volume discounts on PATCH, C2 and LDR Kits

U.S. & Foreign Patents Pending; U.S. Patent 12,720,560 B2; U.S. Design Patent No. D1019592; International Design Reg. No. DM/217510
Australian Design Reg. Nos. 202117020, 20211721–20211724; Canadian Design Reg. Nos. 208644–208648

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