CHW WORKFORCE DEVELOPMENT, INC.

EPT PRIVATE FAMILY MESH

“Elite communications when systems fail.”

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CHW EPT · EMERGENCY PREPAREDNESS TEAM

Boston, Massachusetts · 857-800-6078 · chwworkforce@gmail.com

Complete venture booklet · November 2026

CHW WORKFORCE DEVELOPMENT, INC. · CHW EPT — EMERGENCY PREPAREDNESS TEAM

Proposal: EPT Private Family Mesh

“Elite communications when systems fail.”

Prepared by Rev. Dr. Ali ABY Muhammed, CCHW, Founder & Executive Director · Boston, Massachusetts · November 3, 2026 · Draft for decision — cost figures finalize when the supplier price research lands

1 · THE BUSINESS IN ONE PAGE

CHW EPT sells private family emergency communication: small mesh radios that let a family send text messages and share locations with each other when cell service, internet, and power fail. The radios form their own network — every device relays for the others — so there is no carrier, no signal plan, and no monthly fee to use them. Each family gets its own private, encrypted channel.

We do not sell gadgets off a shelf. We sell a **configured, taught, and serviced family system**: the devices, our own assembly on EPT-built nodes, the private-channel connection, and ongoing tech service — priced as four honest lines on one invoice. Enrollment is private and by appointment, which matches the customer: families who take preparedness seriously and will pay for it to be done right.

$59–$99	$119–$349	$19	$9–$29/mo	$0
DEVICE CATALOG	FAMILY PACKAGES	WHITE-GLOVE SETUP	MEMBERSHIP SERVICE	CARRIER FEES, EVER

2 · WHY THIS BUSINESS, WHY NOW

- **The need is real and local.** Boston families learned through storms, outages, and the Mass and Cass crisis that the phone in the pocket is a single point of failure. Preparedness is no longer a hobbyist word — it is a household one.
- **We already hold the trust.** CHW Workforce Development trains community health workers and runs Boston CERT preparedness work. The founder is a Massachusetts Certified Community Health Worker (CHW10757), a Red Cross CPR/AED instructor, an FCC-licensed operator, and a Boston CERT team leader. No competing seller in this city carries that stack.
- **We already hold the hardware.** Two finished handheld nodes are on hand, and the team node “Boston Cert Team (DOR)” has been live on the public mesh since October 10, 2026. This business starts from working equipment and a working network — not from a purchase order.
- **The technology is open.** The mesh runs on open-source firmware over license-free 915 MHz radio. There is no platform owner who can raise our prices, shut us off, or take a cut.

3 · WHAT WE SELL

LINE	PRICE	DETAIL

Devices — 5 styles	$59–$99	EPT Node One (our own build, 3D-printed EPT case with emblem) · Tracker Card · Handheld · Rooftop Relay · Premium e-ink. Variety is the marketing: a style for every member of the family.
Packages — 4	$119–$349	The Pair · The Family Circle · The Family Estate · The Young Guardian (youth & teens, $79 / $59 as an add-on). Tiered by family size, range, and antenna.
Connection	$19	The white-glove setup: private encrypted channel configured by hand, devices paired and labeled, family emergency plan written, private training session.
Assembly	per node	Charged as its own line on EPT-built nodes — our labor is visible and valued, never buried.
Tech service	$9–$29/mo	Membership: The Watch · The Circle · The Guardian — support, updates done for the customer, family drills, relay care, home visits. This is the recurring revenue floor of the business.

Private label: the EPT emblem is embossed into our own printed cases from unit one. As volume grows, factory OEM logo runs (silkscreen / laser etch) extend the brand onto bought-in finished units, with branded packaging and quick-start cards bridging the gap at any quantity.

4 · HOW THE MONEY WORKS

Two engines. **Package sales** bring in larger one-time revenue per family. **Memberships** stack small monthly revenue that does not depend on selling anything new. Pure arithmetic on our own published prices shows the shape (targets, before device costs — the supplier cost and profit sheet is being built now and will be attached to this proposal):

MILESTONE	PACKAGE REVENUE	MEMBERSHIP / MO	WHAT IT PROVES
First 10 families	≈ $2,300–$3,500	≈ $90–$290	The offer converts; drills and word of mouth begin
25 families	≈ $5,700–$8,700	≈ $225–$725	A neighborhood mesh exists; relays become sellable infrastructure
50 families	≈ $11,500–$17,500	≈ $450–$1,450	Recurring service covers operating costs; institutional sales open

Costs are controlled three ways: wholesale and manufacturer-direct sourcing (research in progress — Alibaba bulk, Heltec / LILYGO / Seeed programs, US distributors), our own printed-case builds that cut finished-unit cost, and a strict rule that **no inventory order is placed until its margin is proven on the cost sheet**.

5 · THE GROWTH PATH

Phase 0 — Prove it at home (now). Run our own household as “Family Zero” on the demo pair. Field-test range across Dorchester and Roxbury and publish honest numbers. Finalize the cost sheet, then set final retail prices.

Phase 1 — First ten families (this season). Enrollment by appointment through the CHW network, CERT circles, and the flyer with its scan-to-order code. Every family gets the training session and a first drill. Sell the CHW WFD website store and order form as the front door.

Phase 2 — The neighborhood mesh (25–50 families). Place rooftop relays with Estate families and members — each relay widens coverage for every customer and makes the next sale easier. Move sourcing to wholesale tiers and start factory logo labeling. The Young Guardian package plugs into schools and youth programs alongside our CERT Youth work.

Phase 3 — Institutions. The same system, sold to the buildings and programs that house families: housing developments, elder residences, churches, schools, and community organizations — plus preparedness contracts and grant-funded resilience deployments, where CHW’s existing funder relationships already stand. A private mesh across a housing development is not a product sale; it is infrastructure, and it prices like it.

Phase 4 — The brand compounds. A labeled installed base, a drill calendar, a service book of members, and a coverage map of Boston neighborhoods. At that point the business is no longer selling radios; it is operating the city’s private family safety network — and that position, once held, is very hard to buy away from us.

6 · WHAT MAKES IT DEFENSIBLE

- **Network effect:** every family added makes every other family’s system work better. Competitors start at zero; our customers’ devices are the infrastructure.
- **Trust and credentials:** the founder’s licenses and CERT standing are the brand. A family hands us their emergency plan because of who is teaching it.
- **Service, not stock:** configuration, training, drills, and membership care are ours alone. A cheaper box online does not include us.
- **Our own hardware line:** the printed-case Node One and the EPT emblem make the product visibly ours.

7 · HONEST LIMITS

- Text and location only — no voice. We say so on every document; the product is a backup layer, never a 911 substitute.
- Range is typically 1–3 miles per hop in the city and grows through relays. We publish tested numbers, not brochure numbers.
- We sell finished FCC-certified units and certified boards with their certified antennas, under our own EPT brand — the underlying firmware’s name is used descriptively, never as our trademark.
- Prices in this proposal are introductory drafts. They lock when the supplier cost sheet is approved.

Decisions requested: (1) approve the price architecture above, subject to the cost sheet; (2) choose the starter inventory size — a 10-unit proof buy or a 50-unit wholesale buy — once margins are shown; (3) approve publishing the EPT page and store on the CHW WFD website and connecting payments; (4) approve the Phase 1 enrollment opening through CHW and CERT channels.

CHW EPT · Emergency Preparedness Team · CHW Workforce Development, Inc. · 139 Charles Street, Suite 171, Boston, MA 02114 · 857-800-6078 · chwworkforce@gmail.com

Companion documents: EPT flyer · EPT inventory register · EPT price sheet · customer order form · supplier cost & profit sheet (in preparation).

CHW EPT · PRIVATE FAMILY MESH
EMERGENCY PREPAREDNESS TEAM · CHW WORKFORCE DEVELOPMENT, INC.

FCC-LICENSED OPERATOR
Configured in Boston, MA

ELITE COMMUNICATIONS WHEN SYSTEMS FAIL

When the phones go down, your family still talks.

A private family emergency network with **no cell service, no internet, and no monthly fees** — your own encrypted channel, configured by hand and taught by Boston's emergency preparedness team.

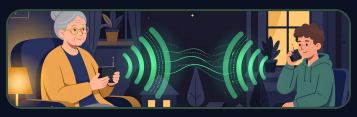


TEXT + LOCATION — no signal bars needed · **PRIVATE & ENCRYPTED** — your own channel, your own key · **EVERY NODE RELAYS** — the network grows stronger with every family

BUILT FOR REAL LIFE



The Blackout — lights out, family chat works.



Checking on Grandma — one message, no Wi-Fi needed.



The Walk Home — see them, reach them, anytime.



The Whole Block — a relay carries the neighborhood.

FAMILY PACKAGES

THE PAIR
$119
- 2 EPT Nodes
- Stock antenna
- Range: home & the block
- Private family channel

BEST FOR couples & elders living alone

THE FAMILY CIRCLE ★
$229
- 4 EPT Nodes
- Upgraded antennas
- Range: the neighborhood
- Private family channel

MOST CHOSEN — the whole household on one channel

THE FAMILY ESTATE
$349
- 6 EPT Nodes + relay
- Upgraded antennas
- Widest family coverage
- Relay strengthens the block

BEST FOR multi-home families & landlords

THE YOUNG GUARDIAN
$79
- Tracker Card — backpack-ready
- Joins the family channel
- Youth emergency training
- Just $59 as a family add-on

BEST FOR students & after-school walkers

EVERY PACKAGE INCLUDES THE WHITE-GLOVE SETUP
Private channel configured by hand · devices paired & labeled · family plan written · training by appointment — **$19**

MONTHLY MEMBERSHIP — TECH SERVICE & FAMILY DRILLS

THE WATCH · $9/mo
Priority support · annual drill · channel check-up

THE CIRCLE · $19/mo
Updates done for you · priority service · drills & alerts

THE GUARDIAN · $29/mo
Relay care · quarterly home visit · first in line

SCAN TO ORDER

Enroll your family today.
Private. Prepared. Connected.

Scan to start your order by email — or call / text **857-800-6078**. Five device styles, from $59. Your invoice, in the open: device · assembly · connection · tech service.

Rev. Dr. Ali ABY Muhammed, CCHW — MA Certified CHW (CHW10757) · CPR/AED Instructor · FCC-licensed operator · Boston CERT leader

EPT Nodes send text and location only — no voice. Range varies with terrain and buildings; typical hops are 1–3 miles and extend through relaying nodes. EPT Mesh is a backup communication layer, not a substitute for 911. Devices are powered by open-source Meshtastic® firmware. Meshtastic® is a registered trademark of Meshtastic LLC; CHW EPT and CHW Workforce Development, Inc. are not affiliated with or endorsed by Meshtastic LLC. Images are representative. Prices are introductory and may change.

CHW WORKFORCE DEVELOPMENT, INC. · BOSTON, MASSACHUSETTS

CHW EPT · PRIVATE FAMILY MESH

ELITE COMMUNICATIONS WHEN SYSTEMS FAIL

When the phones go down, your family still talks.

A private family emergency network — no cell service, no internet, no monthly fees. Your own encrypted channel, configured by hand and taught by Boston's emergency preparedness team.



I.
TEXT + LOCATION
Messages and locations — no signal bars at all.

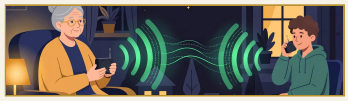
II.
PRIVATE & ENCRYPTED
Your own channel, your own key.

III.
EVERY NODE RELAYS
Stronger with every family enrolled.

— BUILT FOR REAL LIFE —



The Blackout — family chat works.



Checking on Grandma — no Wi-Fi needed.



The Walk Home — reach them anytime.



The Whole Block — a relay carries it.

— FAMILY PACKAGES —

PACKAGE	CONTENTS	PRICE
The Pair	2 EPT Nodes · home & the block — couples and elders living alone	**$119**
The Family Circle ★	4 EPT Nodes · upgraded antennas · the neighborhood — most chosen	**$229**
The Family Estate	6 EPT Nodes + rooftop relay · widest coverage — multi-home families	**$349**
The Young Guardian	Youth & teens · Tracker Card + youth training — $59 as a family add-on	**$79**

Every package includes the **White-Glove Setup — $19**

Private channel configured by hand · devices paired & labeled · family plan written · training by appointment

MEMBERSHIP — THE WATCH $9/MO · THE CIRCLE $19/MO · THE GUARDIAN $29/MO · DEVICES FROM $59

SCAN TO ORDER

Enroll your family today.

Private. Prepared. Connected.

Scan to order by email — or call / text **857-800-6078**. Your invoice, in the open: device · assembly · connection · tech service.

Rev. Dr. Ali ABY Muhammed, CCHW — MA Certified CHW (CHW10757) · CPR/AED Instructor · FCC-licensed operator

EPT Nodes send text and location only — no voice. Range varies with terrain and buildings; typical hops are 1–3 miles and extend through relaying nodes. EPT Mesh is a backup communication layer, not a substitute for 911. Devices are powered by open-source Meshtastic® firmware. Meshtastic® is a registered trademark of Meshtastic LLC; CHW EPT and CHW Workforce Development, Inc. are not affiliated with or endorsed by Meshtastic LLC. Images are representative. Prices are introductory and may change.

CHW EPT — PRICE SHEET

Elite communications when systems fail · Private Family Mesh · Boston, MA · Prices effective November 2026 (introductory)

$59	$19	$9/mo	$0
DEVICES FROM	WHITE-GLOVE SETUP	MEMBERSHIP FROM	MONTHLY FEES TO USE

PACKAGES — COMPLETE FAMILY SYSTEMS

PACKAGE	PRICE	WHAT YOUR FAMILY GETS
The Pair	**$119**	2 EPT Nodes · stock antennas · range: home & the block · private family channel · best for couples and elders living alone
The Family Circle	**$229**	4 EPT Nodes · upgraded antennas · range: the neighborhood · private family channel · the whole household on one channel
The Family Estate	**$349**	6 EPT Nodes + rooftop relay · upgraded antennas · widest family coverage · the relay strengthens the whole block
The Young Guardian — youth & teens	**$79**	1 Tracker Card node (backpack-ready) · joins the family channel · youth emergency training session · **just $59** when added to any family package

Every package includes the **White-Glove Setup ($19)**: your private encrypted channel configured by hand, every device paired and labeled, your family emergency plan written, and a private training session by appointment.

DEVICES — THE EPT CATALOG

DEVICE	FROM	DESCRIPTION
EPT Node One	$59	Our own build — electronics housed in a 3D-printed EPT case with the team emblem. The signature node.
EPT Tracker Card	$69	Credit-card slim GPS node for a backpack, a purse, or an elder's pocket. Location, quietly, all day.
EPT Handheld	$79	Finished handheld communicator with screen and stub antenna — the team's own field unit, ready out of the box.
EPT Rooftop Relay	$89	Weatherproof relay node with tall antenna — solar option available. The backbone of the block.
EPT Premium	$99	E-ink display and GPS with the longest battery in the line — for the family member who is always moving.

MEMBERSHIP — TECH SERVICE & FAMILY DRILLS (OPTIONAL)

PLAN	PRICE	INCLUDES
The Watch	$9/mo	Priority support line · annual family drill · channel check-up
The Circle	$19/mo	Updates done for you · priority service · member drills & alerts
The Guardian	$29/mo	Relay care included · quarterly home visit · first in line, always

YOUR INVOICE, IN THE OPEN

Four honest lines, nothing bundled into shadows: the **device** · the **assembly** (on EPT-built nodes) · the **connection** — your $19 white-glove setup · and **tech service** through membership, only if you choose it. The mesh itself carries **no monthly fees** — your radios talk free, forever.

HOW TO ORDER

Enrollment is private and by appointment. Call or text **857-800-6078** · email **chwworkforce@gmail.com** · or scan the QR code on the EPT flyer to start your order. Configured and taught by Rev. Dr. Ali ABY Muhammed, CCHW — MA Certified Community Health Worker (CHW10757), Red Cross CPR/AED Instructor, FCC-licensed operator, Boston CERT team leader.

EPT Nodes send text and location only — no voice; not a substitute for 911. Range varies with terrain and buildings; typical hops 1–3 miles, extended by relay nodes. Prices are introductory and may change. Devices are powered by open-source Meshtastic® firmware; Meshtastic® is a registered trademark of Meshtastic LLC — CHW EPT is not affiliated with or endorsed by Meshtastic LLC.

CHW EPT — PRODUCT INVENTORY

CHW EPT · Emergency Preparedness Team — CHW Workforce Development, Inc. · Inventory register, November 3, 2026

3	5	4	3	15
UNITS ON HAND	DEVICE STYLES	PACKAGES	MEMBERSHIPS	TOTAL SKUs

ON HAND NOW — OWNED

SKU	ITEM	QTY	STATUS	NOTES
OWN-H1	Meshnology handheld node	1	Live on the mesh	Team node “Boston Cert Team (DOR)”, node ! 433136C, CLIENT role — live since Oct 10, 2026
OWN-H2	Meshnology handheld node	1	Demo unit	Second finished handheld with case and stub antenna — pair demos and range tests
OWN-D1	Demo / display set	1	In use	The pair above works as the standing demo set for enrollment meetings

DEVICE CATALOG — TO STOCK

SKU	ITEM	SELL (FROM)	COST	STOCK	SUPPLY ROUTE
EPT-N1	EPT Node One — own build, 3D-printed EPT case	$59	≈ $26 parts (ws)	0	Heltec V3 board + battery + printed case (in-house assembly)
EPT-H1	EPT Handheld — finished communicator	$79	sourcing open	0	Finished unit (Meshnology class)
EPT-T1	EPT Tracker Card — slim GPS node	$69	$39.90	0	Seeed SenseCAP T1000-E class
EPT-P1	EPT Premium — e-ink + GPS	$99	$42–48	0	LILYGO T-Echo class
EPT-R1	EPT Rooftop Relay — weatherproof, solar option	$89	$59–80 by build	0	Node + enclosure + tall antenna (kit build)
EPT-A1	Upgraded 915MHz whip antenna	TBD	$0.65–2.00 bulk	0	Accessory — priced with the cost sheet
EPT-A2	Rooftop antenna kit	TBD	TBD (ant. $34.97 rt)	0	Accessory — priced with the cost sheet
EPT-B1	Spare battery	TBD	$1.69–3.10	0	Accessory — priced with the cost sheet

PACKAGES

SKU	PACKAGE	SELL	COST	CONTENTS
PK-PAIR	The Pair	$119	$52 devices	2 nodes, stock antennas, private channel, $19 setup included in workflow
PK-CIRCLE	The Family Circle	$229	$112 devices	4 nodes, upgraded antennas, private channel
PK-ESTATE	The Family Estate	$349	$215 devices	6 nodes + rooftop relay, upgraded antennas

PK-YOUTH	The Young Guardian (youth & teens)	$79	$39.90 device	1 Tracker Card + family channel + youth training · $59 as a family add-on

SERVICES & MEMBERSHIPS

SKU	ITEM	PRICE	NOTES
SVC-SETUP	White-glove Family Setup	$19	Private channel, pairing & labeling, family emergency plan, training session — included with every package
SVC-ASSEMBLY	Assembly (per EPT-built node)	TBD	Line item on EPT Node One builds — set with the cost sheet
MEM-WATCH	Membership — The Watch	$9/mo	Priority support, annual family drill, channel check-up
MEM-CIRCLE	Membership — The Circle	$19/mo	Updates done for you, priority service, member drills & alerts
MEM-GUARDIAN	Membership — The Guardian	$29/mo	Relay care, quarterly home visit, first in line

How to read this register: SELL prices are the current published draft prices from the EPT flyer. COST figures landed with the Nov 3, 2026 cost sheet — wholesale/retail ranges from verified listings; freight and duties excluded; the Handheld stays “sourcing open” until a supplier is verified. Costs are never guessed into this sheet. STOCK counts what is physically on hand; catalog items start at 0 and rise only when an order is received and checked in. Every purchase order gets approved before it is placed.

NODE ONE PARTS — WHOLESALE	BEST DEVICE MARGIN	10-UNIT PROOF BUY	UNPRICED ITEMS
≈ $26	**56%**	**≈ $260**	**1**
against a $59 shelf price	Node One and Premium	wholesale parts (retail ≈ $450)	Handheld — sourcing open

EPT PRIVATE FAMILY MESH — COST, BUDGET & PROFIT SHEET

CHW Workforce Development, Inc. · Internal — not a customer document · Prices verified Nov 3, 2026 (Rokland, Seeed Studio, LILYGO, manufacturer and Alibaba listings) · Freight and import duties excluded everywhere

DEVICE ECONOMICS

ITEM	SELL	COST — RETAIL	COST — WHOLESALE	MARGIN (WS)	BASIS
EPT Node One (own build)	$59	≈ $45	≈ $26	**$33 · 56%**	Heltec V3 board $17.90–19.90 manufacturer-direct (Rokland retail $26.97) + name-brand 18650 $1.69–3.10 + 915MHz whip $0.65–2.00 bulk ($11.97 retail) + printed case ≈ $3
EPT Tracker Card (T1000-E)	$69	$39.90	$39.90	**$29.10 · 42%**	Seeed publishes NO volume break; distributor program (≈30% avg margin, $250 minimum) is login-gated. White-label logo at ~50 units: +$299 one-time = +$5.98/unit → cost $45.88, margin $23.12
EPT Premium (T-Echo)	$99	$48.49	$42–45	**≈ $55 · 56%**	LILYGO store retail $48.49; Alibaba via LILYGO's own entity $42.34–44.57 at MOQ 30
EPT Rooftop Relay	$89	$59–80	—	**$9–30**	T-Beam 1W build ≈ $59 (board $51.43 + battery + enclosure) → margin $30 · Solar Node P1 build $80.49 ($77.99 + battery) → margin $8.51 — see flag
EPT Handheld (Meshnology class)	$79	—	—	**OPEN**	Not stocked at Rokland, Seeed, or LILYGO (searched Nov 3) — no verified restock cost. Do not sell until costed

PACKAGE ECONOMICS — DEVICE COST AT WHOLESALE BUILDS

PACKAGE	PRICE	DEVICE COST	CONTRIBUTION	MAKE-UP
The Pair	$119	$52	**$67 · 56%**	2 × Node One wholesale builds · plus $19 setup fee collected
The Family Circle	$229	$112	**$117 · 51%**	4 × Node One builds + upgraded antennas at bulk prices · plus $19 setup
The Family Estate	$349	$215	**$134 · 38%**	6 × Node One builds + T-Beam relay build · plus $19 setup · (solar relay build: cost $236.50, contribution $112.50 · 32%)

The Young Guardian	$79	$39.90	**$39.10 · 49%**	1 × Tracker Card · as a family add-on at $59: contribution $19.10 · 32%

“Contribution” = price minus device cost, BEFORE assembly and service labor — assembly is billed as its own line item per the EPT fee structure, and the $19 white-glove setup is collected on every package. Memberships ($9 / $19 / $29 per month per family) carry no device cost and stack on top of every figure here.

STARTER BUY SCENARIOS

SCENARIO	PARTS COST	WHAT IT PROVES
Proof buy — 10 Node One builds, retail parts	≈ $450	The no-commitment path: Rokland/Seeed/LILYGO shelf prices, no minimums. Sells as 5 Pairs ($595) or 10 single nodes ($590) before fees
Proof buy — 10 Node One builds, wholesale parts	≈ $260	Same ten units, manufacturer-direct boards (MOQ 1) and bulk parts — saves ≈ $190 against retail. Freight/duty extra
Wholesale step — 50 Node One builds	≈ $1,300	Phase 1 stock: ≈ $6,000+ of package value (e.g., 12 Family Circles = $2,748 at $561 of the device cost) — final mix set at order time
Tracker white-label option — 50 T1000-E	$2,294	50 × $39.90 + $299 logo fee = EPT-logo Tracker Cards at $45.88/unit against a $69 shelf price

FLAGS BEFORE ANY ORDER — (1) The solar relay build leaves only $8.51 on an $89 shelf price; build the relay on the T-Beam ($30 margin) or re-price the solar version. (2) The Handheld has no verified supplier — it stays off sale until costed. (3) Alibaba board listings at $13–14 sit in the clone-caution zone (~40% under genuine) and are excluded from every figure on this sheet — genuine boards only. (4) Upgraded antennas are a retail trap ($34.97 gooseneck at Rokland) and a bulk bargain ($0.65–2.00 whips at 100) — buy antennas at volume or not at all. (5) All Alibaba figures came through sourcing-mirror listings; re-verify on the live listing before money moves. Every order stops at the payment step for approval.

Sources: Rokland, Seeed Studio and LILYGO store pages verified Nov 3, 2026; Heltec manufacturer listings; LILYGO's Alibaba entity (Shenzhen Xinyuan); Seeed ODM terms (June 2025) and distributor agreement; full detail in wholesale-pricing.md and wholesale-research.md · Cost sheet v1 — November 2026

EPT FAMILY MESH — GUIDE FOR ADULTS

How to use your node, run your family channel, and lead your household when systems fail · CHW EPT · Keep with your family emergency plan

WHAT YOU HAVE

Your node is a small radio on your family's private mesh network. It sends **text messages** and **location** to your family's other nodes — no cell service, no internet, no monthly fees. Every node also relays messages for the others, so a message can hop across the neighborhood to reach home. Your family's channel is private and encrypted; only your family's nodes hold the key.

EVERYDAY USE — THE FIVE BASICS

1. **Turn it on and let it find the mesh.** Give it a minute. A node near a window, or carried on your person, hears the network best.
2. **Charge it like a phone.** Nightly is the habit. A charged node on the counter is a prepared family; a dead node in a drawer is not.
3. **Send short messages.** The mesh loves short text: who you are, where you are, what you need. “Dad — home, all okay.” beats a paragraph.
4. **Check locations, don't chase them.** Your family's nodes share position on the mesh map. Look first, message second.
5. **Keep the antenna honest.** Antenna up, node out of metal boxes and basement corners. Height and open air are range.

WHEN SOMETHING HAPPENS — THE FAMILY PROTOCOL

1. **If phones work and anyone is in danger, call 911 first.** The mesh is your backup layer, never a substitute for emergency services.
2. **Send your status on the family channel:** name, location, condition, needs. Example: “MOM — at home, power out, we are fine, need nothing.”
3. **Keep the check-in times from your family plan:** _____ and _____. If you miss one, family comes looking — that is the point of the plan.
4. **Conserve battery.** Shorter messages, fewer location pings, screen off between check-ins. A node that lasts three days calmly beats one that dies loud on day one.
5. **Leave relay nodes alone.** If your home hosts a relay (window or rooftop), it stays on, stays plugged in, stays put. It is carrying your neighbors too.

IF A MESSAGE DOESN'T GET THROUGH

- Move — a window, a doorway, higher ground. A few steps can complete the path.
- Wait — the mesh stores and forwards. When any node hears yours, your message moves.
- Re-send once, short. Then hold your battery and try at the next check-in time.

CARE, LOSS, AND HELP

- Keep the node dry and out of extreme heat. Charge with the cable it came with.
- **Lost or damaged node:** tell the EPT team the same day — we remove the lost unit from your family channel so your privacy holds, and arrange a replacement.
- **Adding family:** new nodes join only through the EPT team, so your channel stays yours.
- Members: your plan includes drills and service — use them. A family that has practiced is a family that stays calm.

EPT TEAM LINE: 857-800-6078 · chwworkforce@gmail.com — questions, replacements, extra nodes, drill scheduling.

EPT nodes send text and location only — no voice. Range varies with terrain and buildings; typical hops are 1–3 miles and extend through relaying nodes. Not a substitute for 911. Guide v1 — November 2026.

THE YOUNG GUARDIAN — GUIDE FOR YOUTH & TEENS

Your Tracker Card, your family channel, your job on the team · CHW EPT · Keep in your backpack

WHAT YOUR CARD DOES

Your Tracker Card is a small radio on your family's private network. It does two things: it lets your family **see your location** on the family map, and it lets you **send and receive messages** on your family's own channel — even when phones, Wi-Fi, and the power are down. Nobody outside your family can see it or read it.

YOUR THREE JOBS

1. **Carry it right.** Front pocket of your backpack, antenna side up. Not at the bottom under your books, not in a locker all day.
2. **Keep it charged.** Plug it in Sunday night and again mid-week — or whatever rhythm your family set. A dead card can't watch over anybody.
3. **Answer check-ins.** When your family checks in, you check back. Short is perfect: “OK — at school.” “OK — walking home now.”

THE THREE MESSAGES THAT MATTER

- **“I'M OK”** — after anything: a drill, a blackout, a storm, a scare. Send it first; details after.
- **“I NEED HELP”** — say where you are and what's wrong, in one short line. Then stay where you are if it's safe.
- **“I'M HERE”** — when you arrive somewhere new: school, practice, a friend's house, home.

THE RULES

- The channel is **family only**. Friends don't get added, codes don't get shared — that's what keeps it private.
- It's a safety tool, not a chat toy. Save the battery and the channel for messages that matter.
- Don't open it, soak it, or try to “fix” it. If it stops working, tell your family and the EPT team.
- **Lost it? Say so the same day.** No trouble — the team removes it from the channel and replaces it. Hiding a lost card is the only wrong move.
- Drills are practice for the real day. Take them seriously and you'll be the calmest person in the room when it counts.

REAL DANGER COMES FIRST: if a phone works, call **911**. Then message your family channel and find a trusted adult. Your card is a strong backup — it is not a replacement for getting help fast.

EPT nodes send text and location only — no voice. Range grows through relay nodes across the neighborhood. Young Guardian training is part of the package — the EPT team practices all of this with you in person. Guide v1 — November 2026.

YOUR FAMILY RADIO — GUIDE FOR ELDERS

Large print · Keep on the refrigerator or by your chair · CHW EPT

WHAT THIS RADIO DOES

It keeps you connected to **your family** when the telephones stop working.

No signal bars. No internet. No bills. Just your family.

ONLY THREE THINGS TO REMEMBER

1. **Keep it charged.**
   Plug it in by your bed every night, like a telephone.
2. **Keep it near you.**
   On the table where you sit. Antenna pointing up.
3. **Keep it on.**
   Your family set it up for you. Your name is already in it.

TO SEND A MESSAGE TO YOUR FAMILY

1. Pick up the radio. It is already on.
2. Choose your family's name on the screen.
3. Say it plain and short:
   “This is Grandma. I am okay.”
   “This is Grandpa. Please come by.”
4. Press send. Your family will answer.

We will practice this together, in person, until it feels easy. That practice is part of your package — it is our job, not a test.

YOUR FAMILY'S CHECK-IN TIMES

Morning: _____

Evening: _____

If your family does not hear from you at check-in time, they will come to you. That is the plan working.

If you need help fast:

If your telephone works, call **911** first.

Then send your message on the radio.

Questions? Something not working? Call the EPT team:

857-800-6078

We configured your radio by hand, and we will look after it with you.

Your radio sends words and location only — it does not carry voices like a telephone. It is a backup for emergencies, not a replacement for 911. If the radio is lost or broken, tell your family or call the number above the same day. Guide v1 — November 2026.

CHW EPT · PRIVATE FAMILY MESH

EMERGENCY PREPAREDNESS TEAM · CHW WORKFORCE DEVELOPMENT, INC. · BOSTON, MA

ELITE COMMUNICATIONS WHEN SYSTEMS FAIL

Order Form

Choose your package, devices, and membership. Your white-glove setup ($19) is included with every package. Send the form and we confirm your order personally — enrollment is private and by appointment.

1 · CHOOSE A PACKAGE

The Pair 2 nodes · stock antennas · home & the block	$119	− 0 +
The Family Circle ★ Most Chosen 4 nodes · upgraded antennas · the neighborhood	$229	− 0 +
The Family Estate 6 nodes + rooftop relay · widest coverage	$349	− 0 +
The Young Guardian — Youth & Teens Tracker Card · joins the family channel · youth training · $59 when added to a family package (we apply the discount when we confirm)	$79	− 0 +

2 · ADD DEVICES

EPT Node One Our own build in a 3D-printed EPT case with the team emblem	$59	− 0 +
EPT Tracker Card Slim GPS node — backpack, purse, or an elder's pocket	$69	− 0 +
EPT Handheld Finished communicator with screen — the team's field unit	$79	− 0 +
EPT Rooftop Relay Weatherproof relay with tall antenna — solar option on request	$89	− 0 +
EPT Premium E-ink + GPS, longest battery in the line	$99	− 0 +

3 · MEMBERSHIP — TECH SERVICE (OPTIONAL)

- ● No membership
- ○ The Watch · $9/mo
- ○ The Circle · $19/mo
- ○ The Guardian · $29/mo

ESTIMATED TOTAL
Setup ($19) included with any package · membership billed monthly, only if chosen · final invoice confirmed by phone before any payment

$0

YOUR NAME

PHONE

EMAIL

NEIGHBORHOOD / CITY

ANYTHING WE SHOULD KNOW? (family size, elders, rooftop access…)

SEND MY ORDER →

Prefer to talk? Call or text **857-800-6078**

EPT Nodes send text and location only — no voice; not a substitute for 911. Range varies with terrain and buildings; typical hops are 1–3 miles and extend through relaying nodes. Prices are introductory and may change. Sending this form starts your order by email — no payment is taken on this form; we confirm every order personally first. Devices are powered by open-source Meshtastic® firmware; Meshtastic® is a registered trademark of Meshtastic LLC — CHW EPT is not affiliated with or endorsed by Meshtastic LLC.