ASIP Radio Setup — Quick Handout (CST Video Transcript)

Scope. This handout distills the provided video transcript into a step-by-step setup/check guide for an ASIP (AN/PRC-119 series) at CST. It covers battery, antenna, handset (mic), and basic plaintext single-channel programming.

What you need on hand

- Radio body
- **Battery**
- **Antenna** (whip)
- **Handset/Mic**

Battery check: Use the notch/indicator on the battery to gauge remaining charge. Even if it reads 14–20 hours, **request/bring spares** so comms don't die during CST.

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1) Install the battery

1. Lift the **battery latch**; **twist** to free; open the battery door.
2. Align the **small battery plug** with the matching receptacle and **fully seat** it (same side orientation per the transcript).
3. Re-seat the battery pack: **hook the far side first**, ensure it **pops in** and sits flat. Do **not** force it.
4. Press the door **down**, **rotate** the latch toward the open area until you feel **resistance**, then lock. The door should sit flush and not spring up.

Quick check: With a good seat, the door resists upward pressure and the latch holds without wobble.

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2) Attach antenna and handset (mic)

Antenna

1. Place the antenna base squarely on the **antenna port**.
2. **Thread/screw** until **snug**—no wobble.

Handset/Mic

1. Open the **audio port cover**.
2. Align handset connector; press straight **down** to fully seat the gasket.
3. **Rotate counter-clockwise** (as shown in the transcript) until it **locks**. Tug test: lift gently—the connector should **not** pop off.

RTO tip: Verify antenna and mic are **tight**. If your site allows, tape strain-relief on cable/antenna to prevent flopping/snags while moving.

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3) Power up and enter LOAD mode

1. From **OFF**, rotate the function knob to **LD (LOAD)**.
2. Wait for the display (e.g., **WAIT**, then **NO KEY**). You'll use **MENU/CLEAR** to scroll.

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4) Basic settings (plaintext, single-channel)

Use **MENU/CLEAR** to cycle, **number keys** to set values, **CHANGE** where applicable.

- **VOL:** Press a number **1–9** to set volume (you'll hear a beep).
- **CHAN:** Set Channel.
- **PWR:** Press **CHANGE → 7** to set **HIGH** if needed; otherwise leave **LOW**.
- **MODE:** Set to **Single Channel** (not Frequency Hop).
- **COMSEC:** Set to **PT (Plain Text)**.

You should hear tone/ringing stop once you're on the correct net in PT.

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5) Enter the operating frequency

1. Press **FREQ**.
2. Press **MENU/CLEAR** to ready the entry.
3. Enter the **5-digit frequency** (keyed as **50000**).
4. Press **STO (STORE)** to save.
5. Verify your earlier settings: **PWR**, **MODE = SC**, **CHAN = 1**, **COMSEC = PT**.

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6) Place the radio ON and check

1. Rotate from **LD** to **ON**.
2. Use **SQ** (squelch) as needed and perform a quick **radio check** on the assigned net.

If no audio/handset issues: Re-seat the audio connector (press straight down, lock), confirm antenna tight, confirm **PT / SC** and **correct frequency**.

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7) Disassembly (reverse order)

1. Rotate from **ON** to **Z** (to clear), then to **OFF**.
2. Remove **handset**: unlock and pull straight off; close audio port cover.

3. Remove **antenna**; stow safely (tape if needed to avoid flopping).
4. Remove **battery**: lift latch, rotate, lift door, disconnect plug; re-install door so nothing is lost.

Goal: **Don't lose components.** Turn-in with radio, antenna, mic, and battery accounted for.

Quick Troubleshooting (from transcript cues)

• **Mic pops off:** It wasn't locked—seat fully, then rotate to lock; tug test.
• **No RX/TX in PT:** Verify **MODE = Single Channel**, **COMSEC = PT**, **CHAN = 1**, correct **FREQ** stored.
• **Weak/No power:** Swap battery; ensure latch is locked and door is flush.
• **Floppy antenna/cable:** Tighten and consider tape for movement.

Pocket Card (Cut-Out)

1 **Battery:** plug → seat → latch lock
2 **Antenna:** seat → thread snug
3 **Handset:** seat → rotate to lock (tug test)
4 **LD (LOAD):** wait for display
5 **Settings:** VOL → CH1 → PWR (L/H) → MODE **SC** → COMSEC **PT**
6 **FREQ: FREQ → MENU/CLEAR → 5 digits → STO**
7 **ON:** SQ as needed → **Radio check**
8 **Shutdown: ON→Z→OFF** → remove mic/ant/battery → stow