RENO 911

EXACT MIGRATION SEQUENCE

FREQUENCY	BANDWIDTH	SPREADING	CODING RATE	TX POWER
911.000 MHz	62.5 kHz	SF7	CR5 / 4/5	22 dBm

THE ORDER MATTERS Move every repeater from **furthest to closest**. Change your companion radio only after every repeater is finished.

PHASE 1 - MOVE ALL REPEATERS

COMPANION STAYS ON THE OLD SETTINGS

1. **Prepare the migration order**
   Confirm every repeater is reachable. List multiple repeaters from furthest to closest.
2. **Log in to the furthest repeater**
   Use your companion radio to remotely log in to that repeater.
3. **Enter the Reno 911 settings and Save**
   Set 911.000 MHz, 62.5 kHz, SF7, coding rate 5 (4/5), and 22 dBm.
4. **REBOOT THE REPEATER - REQUIRED**
   The radio changes do not take effect until reboot. Reboot also resets the repeater clock.
5. **Repeat inward until all repeaters are done**
   After reboot, that repeater leaves the old mesh and becomes unreachable. Continue with the next-closest repeater.

PHASE 2 - FINISH ON NEW MESH

AFTER THE COMPANION IS CHANGED

6. **Change the companion radio last**
   Apply the same Reno 911 settings only after every repeater has been saved and rebooted.
7. **Find and log back into each repeater**
   Your companion and repeaters now share the new radio settings, so remote access returns.
8. **Sync the clock on every device**
   Run Sync Clock on every repeater or room server. The reboot returned its clock to the default time.
9. **Send 2-3 Flood Adverts from each device**
   Advert from every repeater and companion. Space the attempts about 30-60 seconds apart.
10. **Verify the completed mesh**
    Confirm all devices are visible, remote logins work, and a test message and route complete successfully.

EXPECTED BEHAVIOR - DO NOT PANIC

Once a repeater reboots, your companion cannot reach it because they are temporarily on different frequencies. That means the change worked. Finish all remaining repeaters, then change the companion and log back into them on Reno 911.

GOLDEN RULE

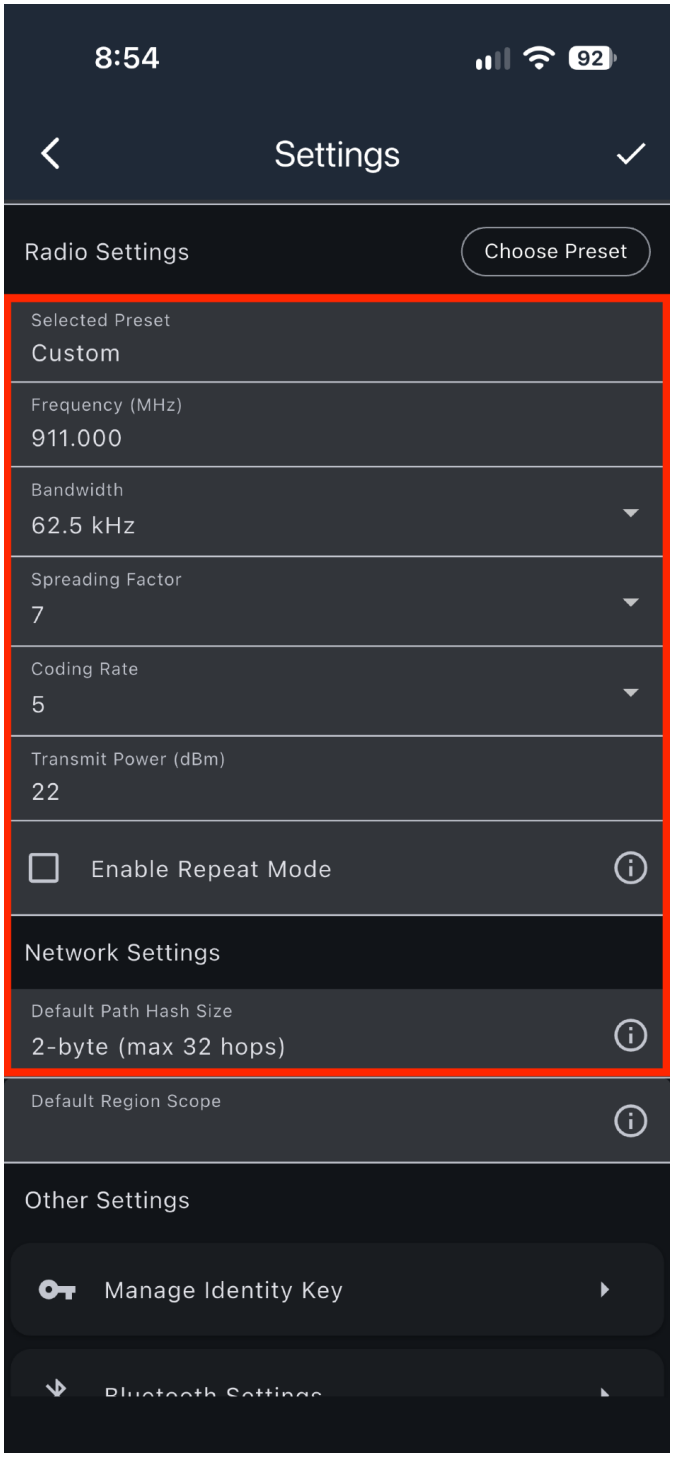
ALL REPEATERS > COMPANION LAST > RECONNECT > CLOCK SYNC > 2-3 ADVERTS

RENO 911

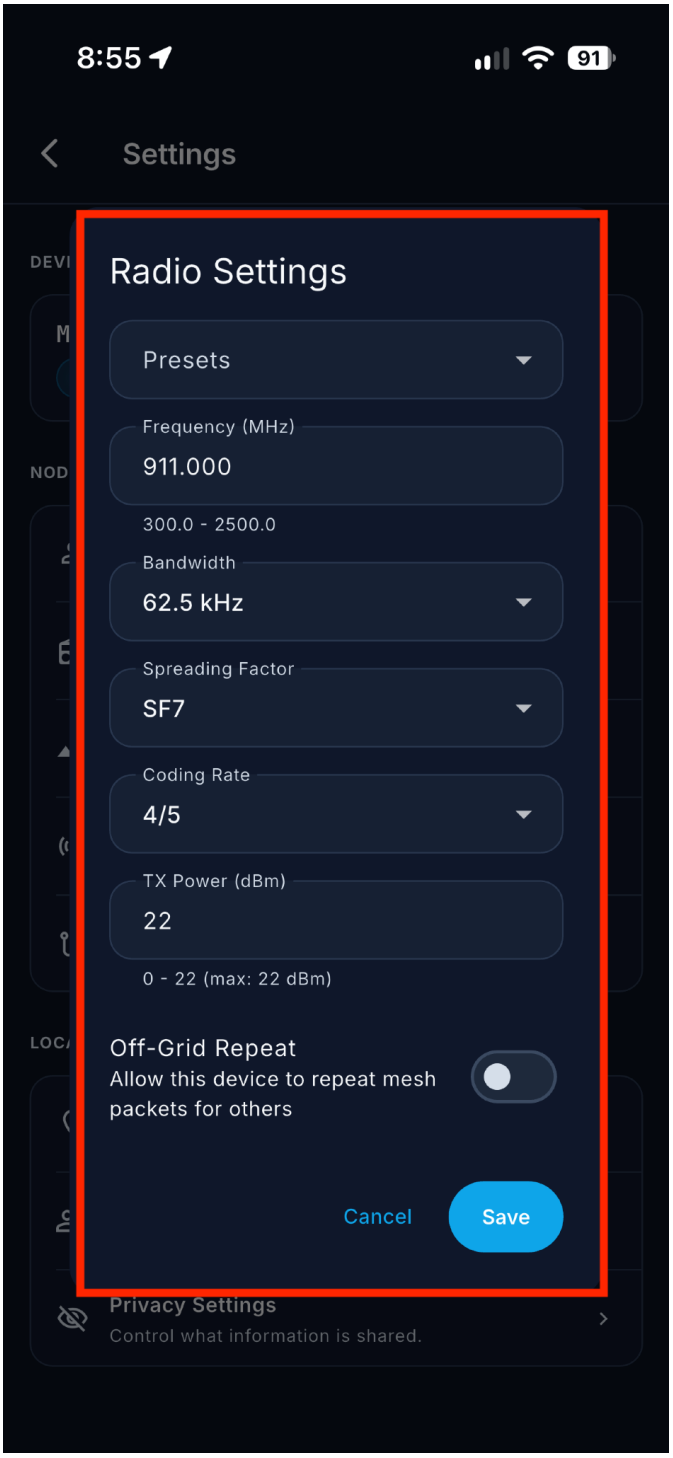
APP SETTINGS REFERENCE

Users may be running either app. The screens look different, but the radio values must match exactly.

DEFAULT MESHCORE APP



MESHCORE OPEN APP



Coding Rate 5 and 4/5 are the same setting. Save the values, then reboot every repeater.