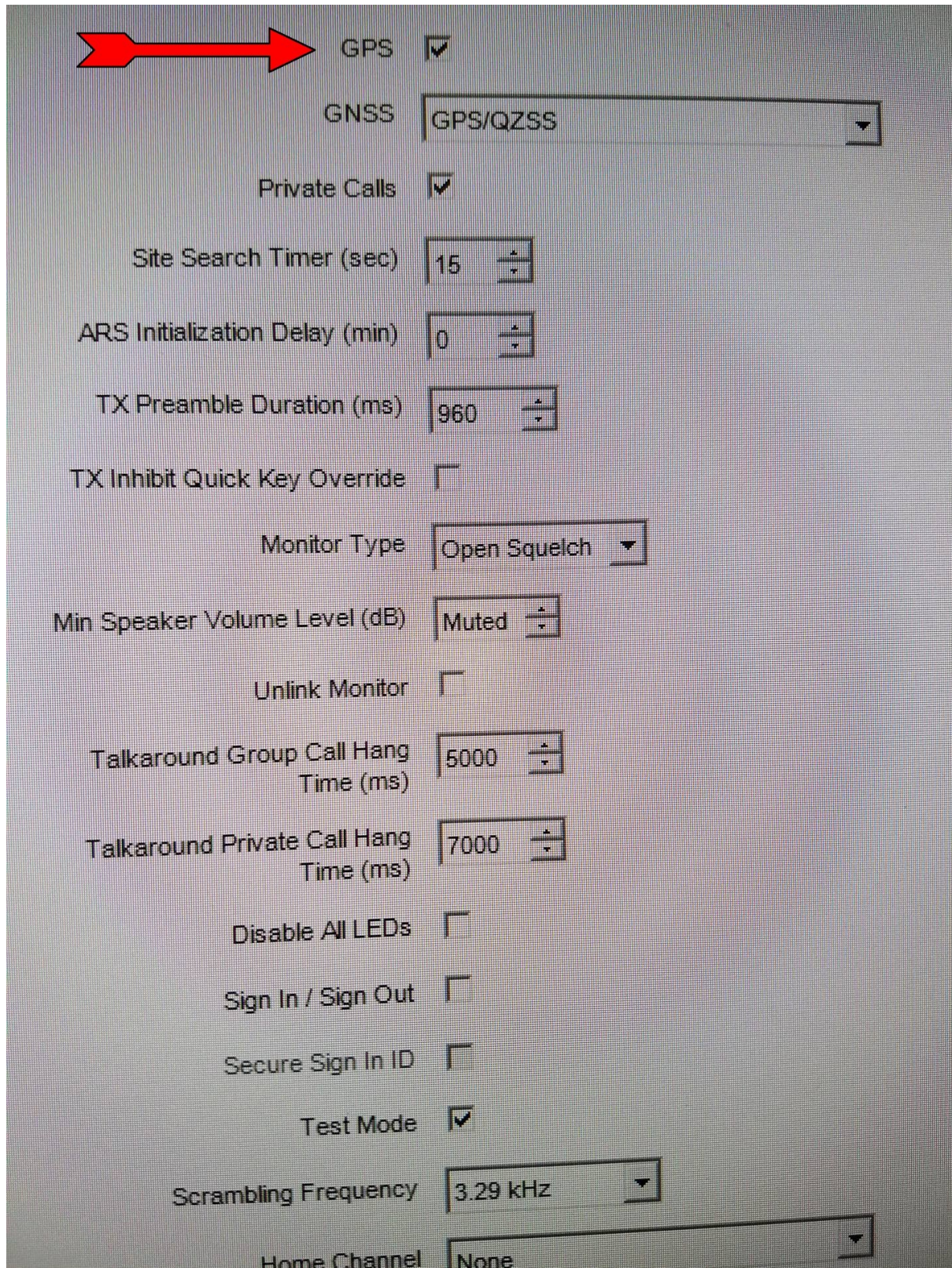


Motorola GPS / APRS settings on BM via a DV device

Positioning on Motorola CPS:

General:

GPS: On



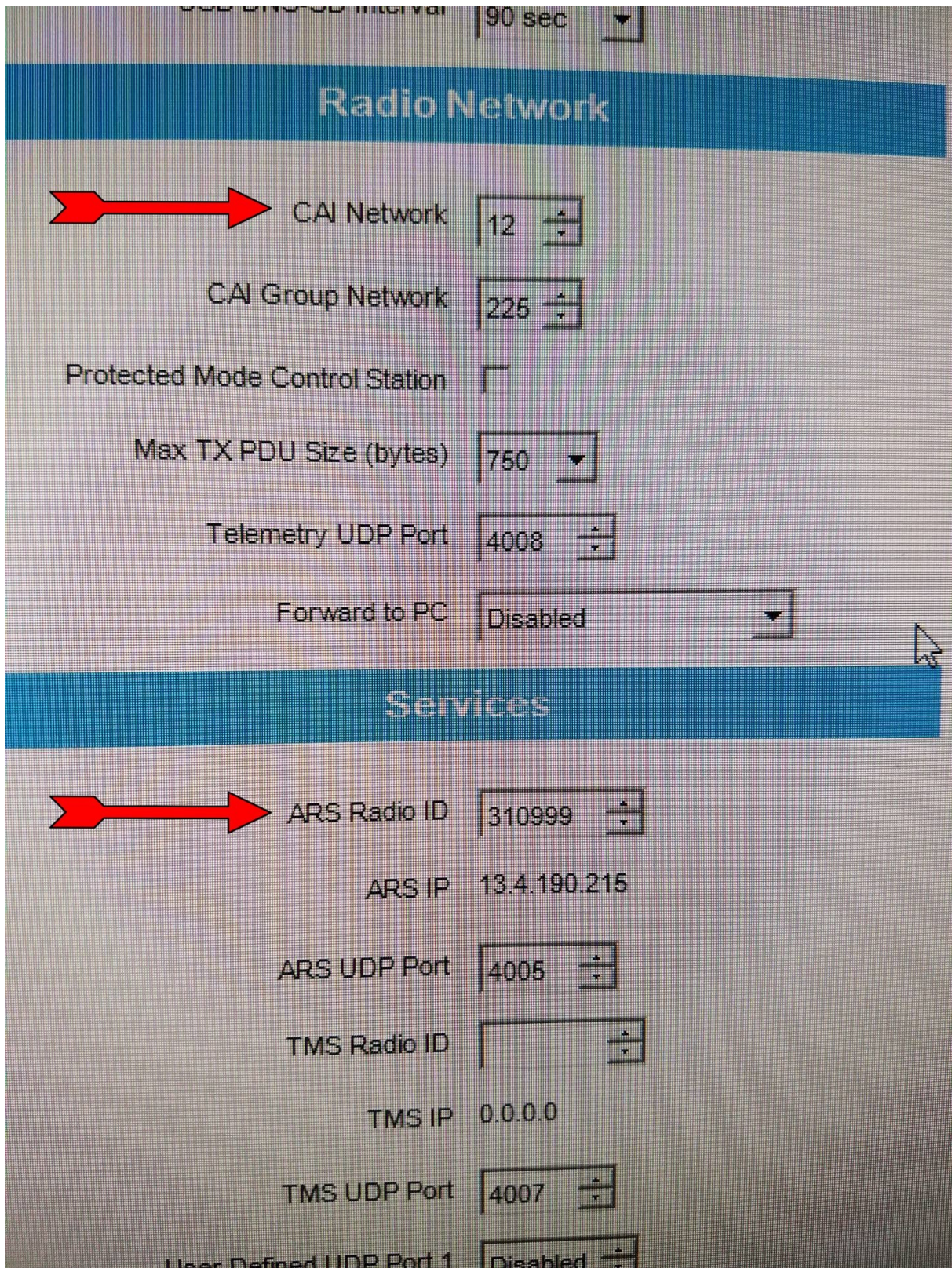
The image shows a screenshot of the Motorola CPS settings menu. A red arrow points to the 'GPS' checkbox, which is checked. Below it, the 'GNSS' dropdown menu is set to 'GPS/QZSS'. Other settings include 'Private Calls' (checked), 'Site Search Timer (sec)' (15), 'ARS Initialization Delay (min)' (0), 'TX Preamble Duration (ms)' (960), 'TX Inhibit Quick Key Override' (unchecked), 'Monitor Type' (Open Squelch), 'Min Speaker Volume Level (dB)' (Muted), 'Unlink Monitor' (unchecked), 'Talkaround Group Call Hang Time (ms)' (5000), 'Talkaround Private Call Hang Time (ms)' (7000), 'Disable All LEDs' (unchecked), 'Sign In / Sign Out' (unchecked), 'Secure Sign In ID' (unchecked), 'Test Mode' (checked), 'Scrambling Frequency' (3.29 kHz), and 'Home Channel' (None).

GPS	<input checked="" type="checkbox"/>
GNSS	GPS/QZSS
Private Calls	<input checked="" type="checkbox"/>
Site Search Timer (sec)	15
ARS Initialization Delay (min)	0
TX Preamble Duration (ms)	960
TX Inhibit Quick Key Override	<input type="checkbox"/>
Monitor Type	Open Squelch
Min Speaker Volume Level (dB)	Muted
Unlink Monitor	<input type="checkbox"/>
Talkaround Group Call Hang Time (ms)	5000
Talkaround Private Call Hang Time (ms)	7000
Disable All LEDs	<input type="checkbox"/>
Sign In / Sign Out	<input type="checkbox"/>
Secure Sign In ID	<input type="checkbox"/>
Test Mode	<input checked="" type="checkbox"/>
Scrambling Frequency	3.29 kHz
Home Channel	None

Network:

CAI Network: 12

ARS Radio ID: xxx999 (234999 for UK Master or 310999 for USA Masters)



The image shows a configuration interface with two main sections: "Radio Network" and "Services".

Radio Network

- CAI Network: 12 (indicated by a red arrow)
- CAI Group Network: 225
- Protected Mode Control Station:
- Max TX PDU Size (bytes): 750
- Telemetry UDP Port: 4008
- Forward to PC: Disabled

Services

- ARS Radio ID: 310999 (indicated by a red arrow)
- ARS IP: 13.4.190.215
- ARS UDP Port: 4005
- TMS Radio ID: [empty]
- TMS IP: 0.0.0.0
- TMS UDP Port: 4007
- User Defined UDP Port 1: Disabled

Preferred channel settings:
ARS: On System/Site Change
GPS Revert: Selected

[Top](#) [RX](#) [TX](#)

Voice Announcement File	channel_12.mva
Dual Capacity Direct Mode	<input type="checkbox"/>
Timing Leader Preference	Eligible
Scan/Roam List	None
Auto Scan	<input type="checkbox"/>
Color Code	1
Repeater/Time Slot	1
Phone System	None
ARS	On System Change
Enhanced GPS	<input type="checkbox"/>
Window Size	8
Privacy	<input type="checkbox"/>
Privacy Alias	Privacy Key1
RAS Alias	None
Option Board	<input type="checkbox"/>
Option Board Trunking	<input type="checkbox"/>
Lone Worker	<input type="checkbox"/>
Allow Talkaround	<input type="checkbox"/>
IP Site Connect	<input type="checkbox"/>
Per-Site RSSI Threshold (dBm)	-108
Messaging Delay (ms)	60
Compressed UDP Data Header	DMR Standard
Text Message Type	DMR Standard

TX

Frequency (MHz) 441.050000

Ref Frequency Default

Contact Name TAC 3

Emergency System None

VOX

Power Level Low

TOT (sec) 180

TOT Rekey Delay (sec) 0

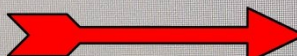
Allow Interruption

TX Interruptible Frequencies

Admit Criteria Always

In Call Criteria Always

RSSI Threshold (dBm) -124

 GPS Revert Selected

Private Call Confirmed

Data Call Confirmed

Location Data Delivery Mode Follow Data Call Confirmed

Enhanced Channel Access

CSBK Data

Buttons:

Orange Button -> GPS On/Off

Setup:

Brandmeister [SelfCare settings](#)

Set Brand option to Motorola.

Set APRS Callsign to xxxxx-9

Set APRS Icon

If you do not have an account make one up.

Use:

After installing the updated code plug.

Select the channel with the GPS and press GPS Trigger Button.