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PassPort® Firmware R07.01.19
Customer Release Notes

	Radio Firmware	PassPort Firmware	Motorola Customer Programming Software (CPS)	PassPort Customer Programming Software (PPCPS)
HT1250·LS+™ Portable	R05.07.01 or later	R07.01.19	R06.04.00 or later	R04.00.00 or later
CDM1550·LS+™ Mobile	R05.04.01 or later	R07.01.19	R06.04.00 or later	R04.00.00 or later

NOTE: PASSPORT CPS VERSION R04.00.00 OR HIGHER IS REQUIRED FOR PROGRAMMING LS+ RADIOS (PORTABLES AND MOBILES) WITH PASSPORT FIRMWARE R07.01.11 OR HIGHER, AND SHOULD NOT BE USED ON RADIOS WITH PASSPORT FIRMWARE BELOW R07.01.11! FAILURE TO COMPLY WITH THIS NOTE COULD LEAD TO PROGRAMMING ERRORS IN YOUR RADIO.

CONSEQUENTLY, MOTOROLA STRONGLY RECOMMENDS THAT YOU MAINTAIN A COPY OF THE PPCPS VERSION R03.02.00 FOR USE WITH LS+ RADIOS CONTAINING PASSPORT FIRMWARE BELOW R07.01.11.

For further information regarding compatibility between the different versions of Radio Firmware, PassPort Firmware, Motorola Customer Programming Software (CPS) and PassPort Customer Programming Software (PPCPS), please refer to the PassPort Software Compatibility document included in the PassPort ServicePak R07.01.19.

To access the PassPort Software Compatibility document, click on
"Start > Programs > Motorola > PassPort ServicePak > ServicePak R07.01.19 > PassPort Software Compatibility".

To access the PassPort Firmware R07.01.19 Release Notes document, click on
"Start > Programs > Motorola > PassPort ServicePak > ServicePak R07.01.19 > PassPort Firmware R07.01.19 Release Notes".

Note: In order to view the PassPort Software Compatibility document, Adobe Acrobat Reader *is required.*

For any questions, please contact Customer Resources at 1-800-927-2744.

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I.   Enhancements

None

II.   Corrections

Item #1:   Radio incorrectly attempts initial registration on the collect channel of its home site (Collect/Grouping Systems Only)
Under certain operating scenarios where "Prefer Last Registered Site" is enabled, the radio may not recognize that it has roamed onto its home site and attempts to register on the collect channel. Under heavy loading conditions, this may affect registration performance.

This new firmware ensures that when a radio returns to its home site, the initial registration attempt will occur on the home channel.

Item #2:   Radio reverts to incorrect talkgroup for Data on Primary Talkgroup operation
When 9 or more talkgroups are programmed for a PassPort zone that is used for Data on Primary Talkgroup operation, the radio will incorrectly revert to talkgroup 9 when the Data Revert input on the Accessory Connector is asserted.

This new firmware ensures that the radio correctly reverts to the Primary Talkgroup upon activation of the Data Revert input regardless of the number of talkgroups programmed into the PassPort zone.

Item #3:   Radio intermittently unsquelches during talkgroup selection
Under certain operating scenarios, the radio may intermittently unsquelch and monitor PassPort activity when the talkgroup is scrolled and selected.

This new firmware ensures that under all operating conditions, the radio will follow the correct muting rules.

III.   Known Issues

Item #1:   Keypad Tones Off
Keypad tones cannot be disabled while in PassPort operation.

Item #2:   X-Pand™ Front Panel Setting
X-Pand cannot be enabled / disabled via the front panel while in PassPort operation. PPCPS must be used to enable/disable X-Pand.

Item #3:   Reacquire Timer On Collect Channel
If during the search pattern, the subscriber searches the collect channel of the site it was previously registered on, the subscriber initiates a registration session regardless of the state of the reacquire timer.

Item #4: **Zero Second Scan Hang Timer**
If the Scan Hang Time is set to 0 seconds, there is approximately a 250 ms window during which the subscriber unit remains in scan hang timer.

Item #5: **Conventional Auto Scan Prevents PassPort Operation**
The subscriber unit must not be programmed with Conventional Zones in which Auto Scan is enabled. This configuration prevents PassPort operation.

Item #6: **Message Error While System is Busy for Selective Call / Call Alert (Mobiles Only)**
"No Acknowledge" appears immediately after "System Busy" if there is no channel available for the initiator of a Selective Call / Call Alert. The call must be re-initiated via the menu, a preprogrammed button or a one-touch button.

Item #7: **LED and Musical Icon Do Not Turn On in Selective Call / Call Alert (Portables Only)**
While navigating the Selective Call / Call Alert menu, the yellow LED and musical icon are not activated to indicate the corresponding mode. The yellow LED and musical icon will activate once the PTT is pressed to initiate the call.

Item #8: **Possible Stunned Radio on Restricted Sites / Talkgroups in Non-Collect Channel Systems**
When a radio attempts to register to a site with a restricted MIN or talkgroup, there is approximately a 250ms window for the radio to be stunned **if and only if** the user attempts to press PTT before the radio is acknowledged from the NTS that the site / talkgroup it is on is restricted.

Item #9: **Possible Interaction Issue Between Front PTT and Data PTT (Mobiles Only)**
After a data transmission is initiated, there is a small window of opportunity that a user can initiate a dispatch call or Selective Call / Call Alert via the front PTT even though the radio is still in the middle of processing a data session. In this case, data may be lost. The window of opportunity is dependent upon the timing of the other call activity and the CES data box configuration.

Item #10: **Display Issue Between HUB Suspend Scan and Roam Lock (Mobiles Only)**
If the radio is on its home site, with HUB Suspend Scan enabled, the Microphone is off the HUB, Roam Lock is enabled, and the radio goes into the searching state, then the display should alternate between "Roam Locked" and "Searching". It does so until the Microphone is placed back onto the HUB while the radio is still searching. At this point, the display should still show the Roam Locked/Searching message, but instead it shows the talk group that the user was on. The radio is still searching and the display updates properly once the radio has registered on the appropriate site.

Item #11: Registration Attempt on Home Channel when busy
In certain operating scenarios, the radio may attempt to register on the home channel when it is already busy. On the next Outbound Signaling Message (OSM) from the system, the radio will recognize that the home channel is busy and then trunk off to another channel to complete the registration.

IV. Required Upgrade Tools

A. PassPort ServicePak

The PassPort firmware ServicePak R07.01.19 can be found on **Motorola Online** at https://businessonline.motorola.com.

Click on "Resource Center > Software > Two-Way > HT-EX-MTX Portables and CDM Mobiles".

B. Programming / Flashing Equipment

- **AAHLN9742B:** Flash Adapter for HT1250·LS$^+$ and CDM1550·LS$^+$
- **AARKN4075A:** Portable RIBless Cable
- **AARKN4081B:** Mobile RIBless Cable

Note: These accessories are available through Radio Products Services Division (RPSD).

C. Estimated Upgrade Time

The approximate upgrade times for all the Windows Operating Systems: Win 95, Win 98SE, Win 2000, Win ME, Win XP, Win NT that are supported by PassPort ServicePak R07.01.19 is between 15 to 20 minutes.