D6412   Control/Communicator

Release Notes for Revision 1.01   November 8, 2001

1.0   Compatibility

1.1   D6600 Communications Receiver/Gateway

When programmed to communicate in the Modem IIIa^2 Format, the D6412 Control/Communicator must report to a D6600 with a Central Processing Unit (CPU) running revision 01.01.03 firmware or later.

1.2   D6500 Central Station Receiver

When programmed to communicate in the Modem IIIa^2 Format, the D6412 Control/Communicator must report to a D6500 with a D6511 Main Processing Unit (MPU) running revision 1.05 firmware or later.

> **The D6500 with a D6510 MPU does not support Modem IIIa^2 Format.**

1.3   RAM IV

To use the Radionics programming and diagnostic tool 'RAM IV' with a D6412 Control Communicator, you must use RAM IV revision 3.2 or later.

2.0   Fixed Items in Firmware Version 1.01

- **Fire Tone for Combined Fire/Burglary Output Function Fixed:** When using panel firmware version 1.00, Output Function Type 1,10 (Alarm – Controlled Points, 24-hour Points fire and non-fire), generates the burglary tone for both fire and burglary alarms. Firmware version 1.01 correctly generates a burglary tone for burglary alarms and a fire tone for fire alarms when using Output Function Type 1,10.

3.0   Known Issues in Firmware Version 1.01

3.1   Panel Operational Issues

- **PO 2 as Supervised Siren/Speaker Driver:** When Programmable Output 2 (PO2) is programmed as a supervised siren/speaker driver and a siren/speaker is not connected when you exit programming mode (or reset the panel), the D6412 does not generate a siren trouble. Connecting a siren/speaker and then removing it will generate a siren trouble. This issue will be addressed in a future D6412 firmware version.

- **Arming for Part 2 with Faulted Points:** When a user attempts to turn the D6412 Part-2 On (Cmd-3) when there are faulted points **not** selected as Part 2 points, the command center shows the faulted points but does not turn on. The user must enter Cmd-3 a second time. This issue will be corrected in a future firmware version of the D6412.

- **Cmd 54 Does Not Activate 'Pulse Mode' Outputs:** Cmd 54 does not activate outputs programmed for 'Pulse Mode'. This issue will be corrected in a future D6412 firmware version.

- **Bypass Restore Report:** The D6412 incorrectly sends the point number in the user number field of the Bypass Restore Report for the Modem IIIa2 format. This issue will be corrected in a future firmware version.

- **Unverified Event Report:** The D6412 sends the incorrect Cross Group Number (Point Index Number) when there is a fault on only one point. A fault on only one point in a Cross Group is defined as an unverified event.

- **Part Mode Delay Time:** The *D6412 Program Entry Guide* (P/N: 45351) correctly states the minimum delay time as 30 seconds. Entering a value of less than 30 seconds should give a 30 second delay. D6412 firmware revision 1.01 does not provide a 30 second minimum delay. For example, if you program 15 seconds of delay, the D6412 provides 15 seconds of delay. This issue will be corrected in a future revision.

- **Bell Time Output Function:** The Bell Time output function should activate on any alarm, even if the point in alarm is not programmed for alarm output. In D6412 firmware version 1.01, the Bell Time output function only activates if the point in alarm is programmed for alarm output. This issue will be corrected in a future firmware version.

- **Cmd 49, Press * then Cmd to Exit:** When using Cmd 49 to adjust command center volume and/or lighting, users are instructed to press [Cmd] to exit. With firmware version 1.01, they should press [*] and then [Cmd] to exit. If they fail to press the [*] key first, the D6412 may not 'remember' their command center adjustments. This issue will be corrected in a future firmware version.

- **RF Keypad Supervision:** With D6412 firmware revision 1.01, the panel does not supervise RF keypads for low batteries or missing conditions. A future firmware version will correct this issue.

- **Reset Renews One-Time Passcodes:** Resetting the D6412 with either the Installer Switch or RAM IV renews One-Time Passcodes. This operation will be described in future revisions of the *D6412 Program Entry Guide* (P/N: 45350) and the *D6412 Installation Guide* (P/N: 45349).

- **Part On and Part 2 On Display:** The Command Center currently does not differentiate between Part On and Part 2 On arming modes. This issue will be corrected in a future firmware version.

- **Delay Alarm Output:** The *D6412 Program Entry Guide* (P/N: 45351) states the Delay Alarm Output feature delays burglary alarm output until communication to the central station receiver is complete or there are two failed attempts. This feature currently does not work in version 1.01. It will be corrected in a future firmware version.

- **Missing User ID:** Arming Part On with Delay or force arming All On with No Delay currently does not send the User ID when sending the specific arming report. This issue will be corrected in a future firmware version.

- **Cross Points:** The *D6412 Program Entry Guide* (P/N: 45351) states any point assigned to the Cross Point index will start the Pulse Count timer when a pulse is detected as programmed in the Pulse Count Time parameter. For version 1.01, the Pulse Count Time parameter must be programmed with a value of 8 to 15. The Cross Point Pulse Time will be fixed at 60 seconds regardless of the value entered at this parameter. This issue will be corrected in a future firmware version.

3.2   Remote Programming (RAM IV) Issues

- **Changing RF ID:** RAM IV 3.2 allows you to change the RF ID for a location without resetting the 'learned' characteristics for the transmitter associated with the ID. For example, the D6412 is supervising an RF3401 Door/Window transmitter. The panel has 'learned' that both the reed switch/magnet and the sensor loop are being used. The magnet must be in place **and** the sensor loop must be normal for the transmitter to be normal (not faulted). If you enter an ID for a new transmitter for this location, the D6412 expects to see both the reed switch and the sensor loop normal before the point state is declared normal. If you wish to use only the reed switch (or only the sensor loop), the ID for the location must be removed from a command center using the installer's RF menu. See the *D6412 Installation Guide* (P/N: 45349) for instructions. This issue will be fixed in a future D6412 firmware version.

- **Parameters Changed Report:** It is important to note that after changing panel parameters the correct procedure to end the RAM IV session is to check 'Reset Panel'. The D6412 may ignore some or all of your parameter changes if you don't check 'Reset Panel' to end the RAM IV session. If you make changes to the D6412 parameters with RAM IV and then end the RAM IV session with 'Reset Panel' checked, the D6412 **does not** send a 'Parameters Changed' report. If you end the RAM IV session without checking the 'Reset Panel' box, the D6412 sends the 'Parameters Changed' report.

- **Arming from RAM IV:** When arming from a command center, users can change from any armed state to another armed state without disarming. When changing armed states with RAM IV diagnostics, you must disarm before changing to the new-armed state. This issue will be addressed in a future D6412 firmware version.

- **Output Set and Reset Events:** An Output Reset command issued from RAM IV will generate 'Set' events in the D6412 (event in log and report).

- **RAM IV Log Pointer:** The D6412 does not always correctly adjust the 'Current Event Pointer' after a log overflow condition. Attempting a partial download may yield unexpected results. This issue will be corrected in a future D6412 firmware version. Downloading the entire log (254 events) is always complete.

- **Call RAM IV at Test Time:** The "Call RAM IV at Test Time" feature has not been implemented in firmware version 1.01. This issue will be corrected in a future version.

- **Calling RAM IV using Cmd 43:** The *D6412 Program Entry Guide* (P/N: 45351) states when a user enters Cmd 43, the D6412 calls RAM IV. This feature does not work in version 1.01. It will be corrected in a future firmware version.