<u>Customer Release Notes</u>

Product ID: 7705i AES MultiNet Receiver

Software Version: 1.15.109.4854

Release Date: May 28, 2019

Overview:

This document describes the new features, fixes and known issues for this release. The previous version was 1.15.108.4654 from February 8, 2019.

Improvements / New Features:

1. **MN-1016: Improve "View all" response time of Business Unit page**
   Reduced the wait time when displaying Business Unit information.

2. **MN-1020: Allow dynamic change of pingip without an aesmon restart**
   Changed "pingip" to take effect within 10 seconds, removing the need to perform "aesmon restart".

3. **MN-949 / MN-974 / MN-1025: New feature set; Send alarms when hard-disk full, ping-failed, and/or backup-failed conditions are detected**
   Improved version of a new feature set by running checks every 24-hours, starting at 10AM on the day of startup (e.g. If you start up a system at 11AM, a check will be performed immediately, and then again at 10AM the next day, etc.). If no error is seen, this mode continues. If an error is captured then:

   1) A print is made in the log file, and this condition will be checked every 10 mins for restoral.
   2) If not disabled via Tech Options, then CPU LED is lit, Alert Siren Activated, and Alarm Generated. NOTE: Time zone is taken into account, but daylight-savings transitions are not. This means that the alarm will be at 11AM during DST (if it applies in the installed / configured TZ), 10AM otherwise.
   3) If the fault still exists, putting the MultiNet receiver to silence will be good until 10AM the next day (applicable to hard disk and backup fault only).

   New event codes have been added for: Hard-disk Full (E623 C908), Backup Failure (E624 C909), and Ping Failure (E997 C917). These three new faults do not currently exist in the manual, and will be added in the future.

   NOTES: Previously during a Ping fault, the MultiNet Receiver would only buzz and print a ping failure to the receiver message every minute; no event codes were sent to Alarm Automation software. Now the Ping fault comes with a new CID event. Also, after upgrade, the default setting for these 3 new event codes will be set to "**Enabled**", but can be disabled via MultiNet receiver Tech Options.

Bug Fixes:

1. **MN-1000: Backup does not properly detect multiple instances**
   Ensured that the automatic backup feature runs every 10 minutes, checking if it's time to run backup and if backup.pl is already running, preventing multiple copies of the backup from being spawned. If the backup is done in less than 10 minutes, there is no impact. Various problems may arise though, especially when a customer has relatively slow network connections between receivers, especially second-site backups, combined with large amounts of data requiring back up.

2. **MN-1009: LED fault delivering with unit ID as "0000" instead of "0001"**
   Corrected an issue where events were being delivered with wrong Unit ID on the Primary, after an "LED" fault

3. **MN-835: Certain IP-Link connection failures will not generate supervision alarms**
   If a Secondary recorded a supervision failure for an IP-Link, then the Primary would, in the future, fail to issue an alarm should it fail supervision again. This suppressed supervision failure alarms if the other receiver had already issued one, or if the other receiver had an active connection to the IP-Link. The fix is to suppress the alarm ONLY IF the other receiver has sent a supervision failure alarm within the last 30 seconds, or has an active connection. Also fixed was the issue when a supervision failure alarm would not be issued by either receiver, now there is always some type of supervising.

4. **MN-1011: Changing IPGroup of an existing Subscriber does not update GroupID**
   The fix is to update not only the connection time and counts columns, but also the GroupID column when a subscriber makes a new IP connection.

5. **MN-1010: Both IP and Hybrid path should show up on the drop down list all the time by default when MCT sub with RF+IP using its primary route as Hybrid**
   At least one inbound packet delivery must be received via Hybrid path in order for that option to appear in the routing selection list. The fix was that once an inbound packet is delivered via direct IP path, the Hybrid route option will ALSO be presented as an option for outbound delivery.

6. **MN-918: Unable to delete last Business Unit**
   Fixed reoccurring MySQL error that was affecting the ability to delete the last Business Unit.

Workarounds / Known Issues:

1. **MN-1043: Subtools not able to turn OFF TX for Hybrid Subscriber**
   Choosing "Turn Off radio" from Subtools for Hybrid will not turn off the radio.

2. **MN-959: IPLink/IPGroup IDs with invalid names accepted during InstallGUI config**
   There are no data entry restrictions while entering IPLink/IPGroup values during configuration.