Tempest® NG Firmware Release Notes

Release Date: January 17th, 2013
Version: 6.10.00

The following is a list of new features and enhancements included in the latest firmware release for the Tempest® NG and Tempest® NG900 product lines. In addition, a few minor fixes were addressed and implemented. This firmware update applies to both 2.4GHz and 900MHz models as well as both the BaseStation and the BeltPacks.

New Features

Link Quality (LQ)
A numeric indicator was added to the BeltPack main status screen to provide users with that BeltPack's Link Quality (LQ) with the Remote Transceiver. The LQ serves as a diagnostic tool for troubleshooting BeltPacks and system operation. The LQ can and will fluctuate during use depending on what degree of interference or attenuation (blocking) is present. The lower the LQ the poorer the audio quality will be during operation. Within suitable range and with no outside influences (i.e. interference or attenuation) present, the LQ should display "*99*" which is the highest value. Link Quality indicators can be disabled in the <Tech Menu> of each BeltPack under <Diagnostics>. The default status is "enabled."

Reset Radio
A new feature was added to the BaseStation firmware that enables the user to "reset" the radio without the need to power off the BaseStation. Resetting the radio manually resets hopping pattern on that BaseStation/Remote Transceiver. This feature is only applicable to multi-BaseStation systems. This reset function is located in the menu at: (1) BaseStation Settings> (6) Tech Menu> (3) Diagnostics> (2) Reset Radio. While in this menu, the BaseStation will ping the BeltPacks for their LQ value and display the value on the BaseStation screen.   The user can then press ENT (on the BaseStation) to reset the radio which will cause the active radio to be reset and reinitialized. Upon reset, changes in LQ at the BeltPack can be monitored until optimum LQ is achieved. While in this menu monitoring state, the audio will be degraded and sound bad. The menu will timeout to the main screen after one minute of inactivity or you can press MENU to back out to main screen.

Enhancements

On a BeltPack, when switching from Shared mode to Normal mode the talk mode remains in momentary.
When changing modes from "Shared" to "Normal," the Talk buttons will always revert to "Latch."

Problem Resolutions

Tone heard when a BeltPack setting is changed from the Base
This bug was fixed and tones are no longer heard at the BeltPack when changes are initiated at the BaseStation.

BeltPack display does not indicate channel change when channel is changed after the lock message appears
Changed BeltPack firmware to allow channel changes (A/B switch or C button) while in Buttons Locked screen. The channel change is effective immediately and will be indicated on return to the status screen.

On a Shared BeltPacks, pressing the "C" Button causes the Talk to latch thus preventing others from accessing the talk function
On a Shared BeltPacks, pressing the "C" Button caused the Talk to latch thus preventing others from accessing the talk function. Only one Shared BeltPack can access talk at any given time on that channel. This bug was fixed and pressing the "C" Button does not cause the Talk Button to latch.