

# Technical Bulletin 03-02



**Bulletin #:** CS-03-02

**Software Versions:** All

**Access Level:** General

**Status:** Pending

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**Product Type:** NetLink i640 Wireless Telephones

**Hardware Revision:** All

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**Revision:** A

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**Title:** Battery life with NetLink i640 Wireless Telephones when using the Push-to-Talk (PTT) feature.

**Problem:** The NetLink i640 Wireless Telephones will have a shorter battery talk time and standby time when they are configured to be used in a PTT mode.

**Description:** The NetLink i640 Wireless Telephone uses more power when in a PTT call than when in a normal (non-PTT) call. One minute of use in a PTT call is equivalent to 2 to 4 minutes of a normal call. The actual reduction depends on volume settings and loudness of the talker.

Just having PTT enabled on the Wireless Telephone will also decrease the standby time. When the Wireless Telephone has PTT enabled and is in standby, it must still receive and process all multicast traffic on the Wireless Network, including all PTT traffic on all channels. This will consume standby battery life at a greater rate than if PTT was disabled. In most cases, standby time should be no worse than 30-40 hours with PTT enabled.

**Resolution:** Turning off the PTT feature on the Wireless Telephone when it is not being used will return the phone to normal battery consumption rates. If PTT is used, keeping the PTT calls brief can extend the battery talk time.

In addition, the wireless LAN can be placed on a separate VLAN to subnet to reduce the effects of broadcast and multicast traffic from devices in other network segments.

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