

Dec 18, 2007

Security Code Information for the Cordless Phone
FCC ID: PBWDT19R51 & PBWDT19R51H

CD450XY/ZZ, CD455XY/ZZ, SE450XY/ZZ, SE455XY/ZZ and SE458XY/ZZ cordless phone models incorporate circuitry, which makes use of a digital security code to provide protection against unintentional access to the telephone network by the Base unit and unintentional ringing by the handset. These functions operate such that each access of the telephone network or ringing of the handset is preceded by the transmission of a code word. Access to the telephone network and ringing of the handset occurs only if the code transmitted by the one side matches code set in another side.

The following Security Code information is provided for this Cordless Phone series:

- The Security Codes have 128 bits and 64 bits.
- Two sets of security codes are used: UAK and DCK.
- The following approaches for facilitating variation of individual security codes in a certain geographic region are used: Fixed, Automatic, and user-selectable coding.
- Below are the steps for selecting the code:

On each handset, a 128-bit UAK code is randomly set at factory. There is a 64-bit DCK code used to encrypt data. The DCK code is then changed on each activation of the phone. Both UAK and DCK codes must be matched and stored in both handset and base subscription data (inside the EEPROM memory of the phone).

Sincerely,

ASCALADE TECHNOLOGIES INC.



James Tung
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