

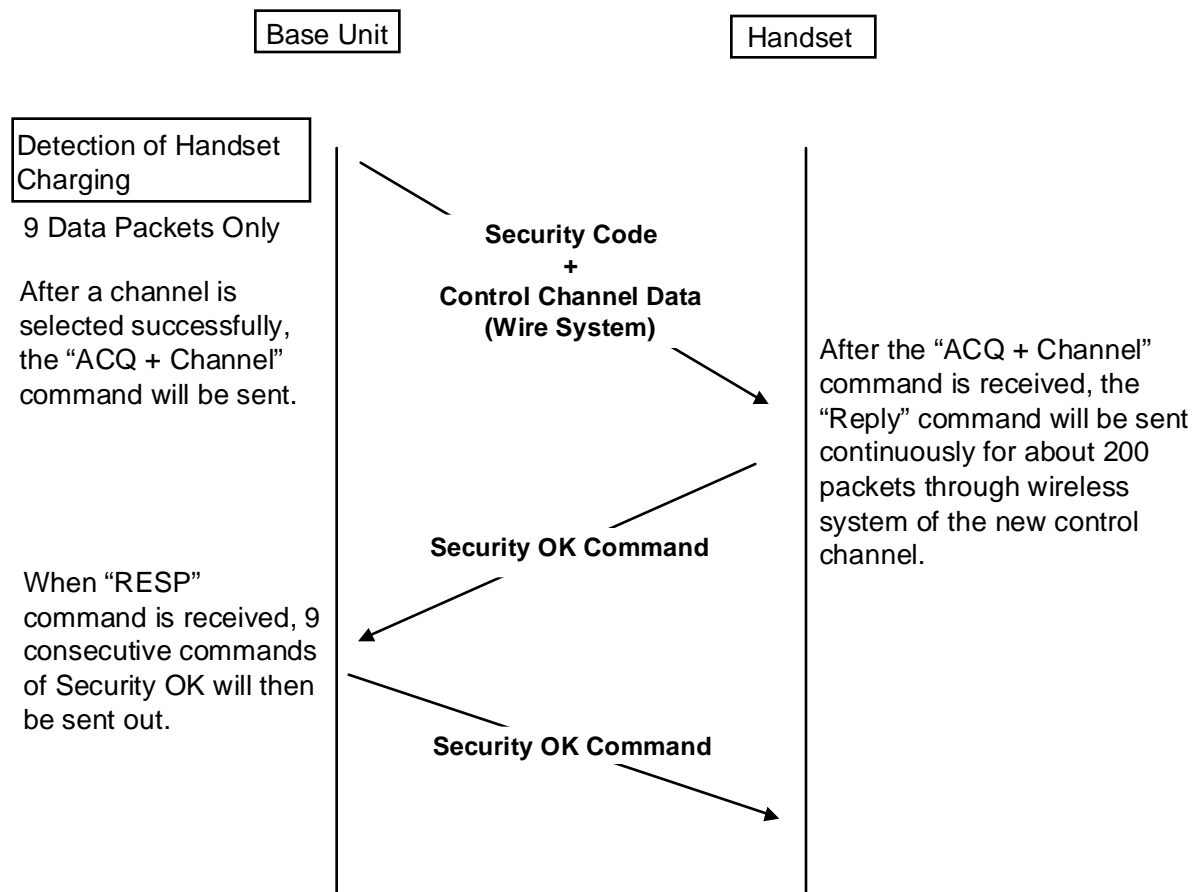
Initialization

When the handset is on cradle or base power supply restored after interruption, the base unit sends the following information through charging contacts:

- Updated Security Code
- Control channel data including transmission frequency

The transmission frequency is determined after checking the last used channel to make sure it is vacant. This ensures that the handset has a clean channel to use. If the last used channel is occupied, the base unit will scan to find a vacant channel.

The base unit will send the above information to the handset 9 times. Once the handset receives the channel-acquire command, it will update its security code and transmission frequency.

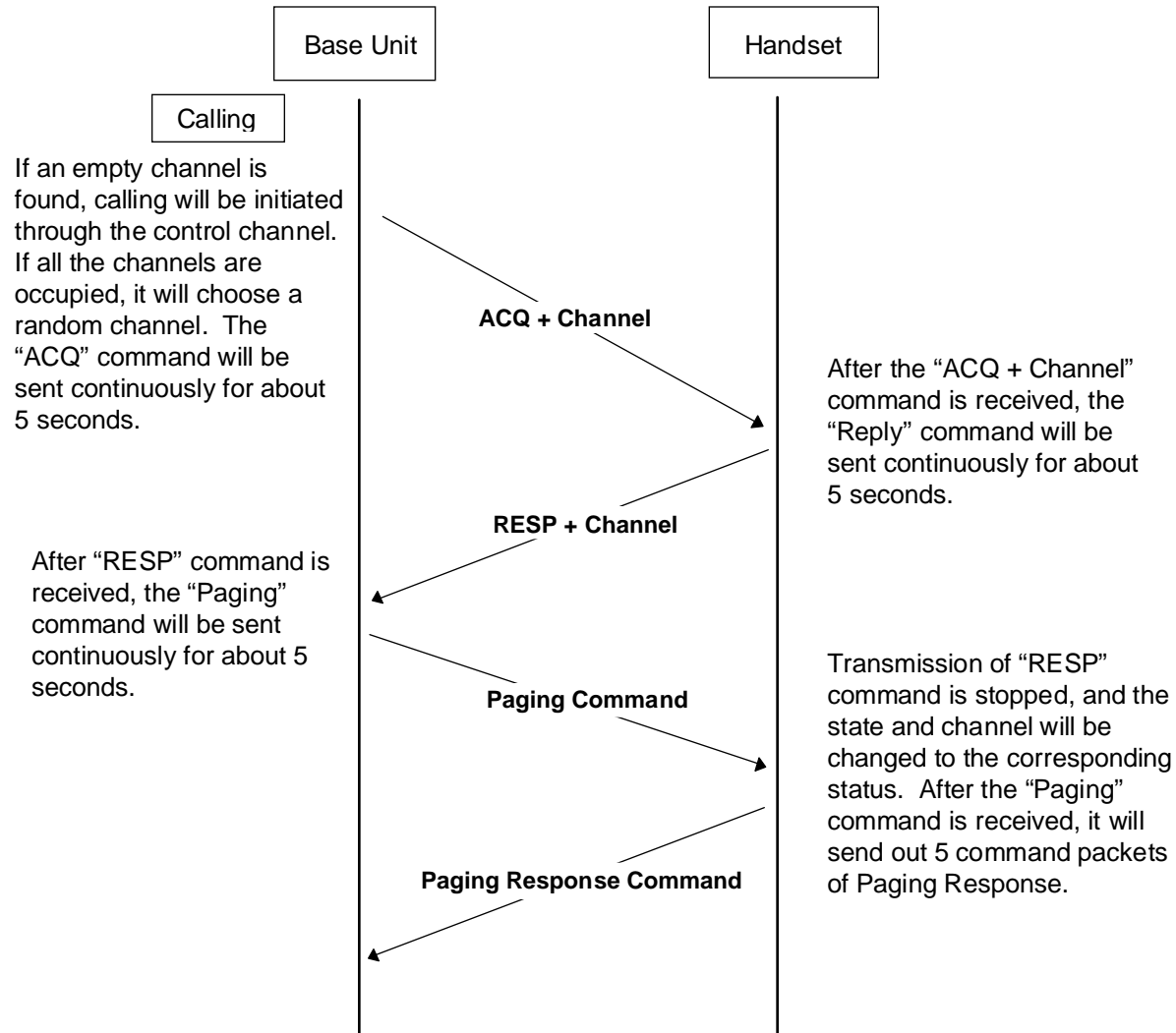




Calling From Base

When PAGE button is pressed or incoming call is received from the Base Unit, an RF link will be initiated by the base to the handset.

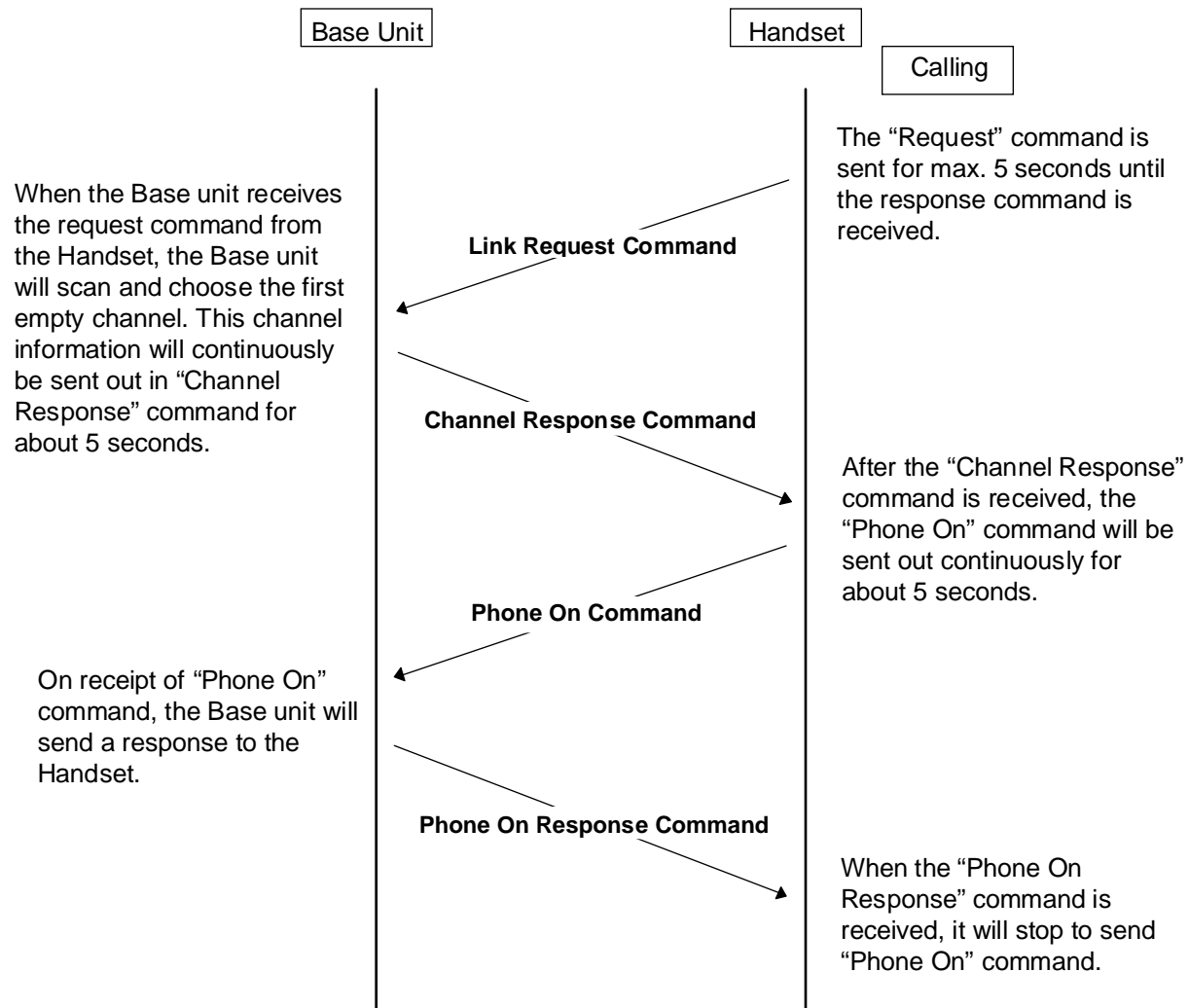
The base can page the handset by first sending the "Channel acquire command". Upon receiving this command, the handset sends back the "Channel response command". Then the base sends the "Paging command". Finally, the handset responds by sending the "Paging response command".





Calling from Handset

When the user makes a phone call by pressing the TALK key, 'Link up command' signal will be sent to the base. When the base receives the command, it responses by sending back the "Channel response command". This defines the communication channel. The handset then sends out the "Phone on command" to the base. The base will respond back the "Phone on response command" to the handset.



Channel Scanning

There are totally 20 channels with frequency allocation shown in the Technical Description. Once the handset is on cradle or the base resumes power, the security code along with the channel number are sent to the handset. The base will scan a channel and detect if there is any carrier in that channel. If that channel has no carrier, that means the channel is “clean”.

The handset can request the base to change to another clear channel. This is done by first sending a “Link up command” to the base. The base will search a clean channel and send the “Channel response command” to the handset. After receiving the “Channel response command”, the handset will then send the “Channel command” to the base. Upon receiving this command, the base acknowledges by sending the “Change channel response command” to the handset.

