

## 2.9.2 Update software via Mini-FTP

This software update method clears all settings, including the IP address.

*Note: The SafeCom Controller does not respond to ping request while in mini-FTP mode.*

You can bring the SafeCom Controller into mini-FTP mode by holding the test button while you power on the SafeCom Controller, or from the SafeCom Controller web interface.

1. Open the **Advanced Configuration** web page.
2. Click **Restart to mini-FTP**.  
The SafeCom Controller prints a page with the text "Awaiting microcode download..."
3. Log on as an administrator and issue the **arp** command from the command prompt.

Syntax:

```
arp -s <IP Address> <MAC Address>
```

The MAC address can be found on the rear side of the SafeCom Controller. If you want to use the IP address: 194.192.134.86 for the SafeCom Controller and the 12-digit hexadecimal MAC address is 00C076FF00F2. Enter:

```
arp -s 194.192.134.86 00-C0-76-FF-00-F2
```

4. Use the **ping** command to give the SafeCom Controller its new IP address. Issue the **ping** command from the command prompt. Enter:

```
ping 194.192.134.86
```

5. From the command prompt issue the **ftp** command. Enter:

```
ftp <IP address>
```

The SafeCom Controller prompts you for a username and a password. Both are **adm** by default.

6. Set the binary transfer type and download (**put**) the software file. Enter:

```
binary  
hash  
put <software file>.b80
```

The software is updated. The SafeCom Controller automatically restarts after a successful update and CRC check.

7. Logout of the ftp session. Enter:

```
quit
```