

AirBlock® CLI Wireless Client Configuration Software: Diagrams

```

C:\>encrypt_wep -keylen 40
C:\>encrypt_wep -keyval a4rr568da2
C:\>
  
```

AirBlock CLI allows the setting of wireless client-side parameters on Windows® machines from the Command Prompt without having to use the Microsoft® Wireless Zero Configuration interface.

| Command | Comments |
|-----------------|---|
| help | Display help. User may also use "-h" or the "-?" command. |
| encrypt_disable | Disable any previously used encryption mode. Configure card to use OPEN authentication without encryption. |
| encrypt_wep | Key lengths of 40 & 104 are equivalent to WEP64 and WEP128 respectively. |
| encrypt_wpapsk | Pass phrase is case sensitive. |
| encrypt_wpath | Enables 802.1x authentication via RADIUS server. |
| connect | SSID string is case sensitive. Use the "mac" attribute to associate to a specific access point. This attribute is optional when using the "encrypt" and "disable" commands. |
| disconnect | Disconnect from currently associated wireless network. |
| scan | Command returns immediately unless "refresh" is used. Use "refresh" attribute to rescan the network and bring new results. Scanning process takes approximately 6 seconds. |

AirBlock CLI allows for automated setting of wireless network and security parameters using a command line script on both laptops and Windows based wireless devices.

| Code | Error text |
|------|---|
| 10 | Command line error |
| 20 | Wireless adapter is not available |
| 21 | Failed to open adapter |
| 30 | Can not access parameters file |
| 100 | Failed to connect |
| 101 | Invalid SSID length |
| 101 | Invalid SSID value |
| 110 | Failed to disconnect |
| 120 | Failed to disable encryption |
| 130 | Failed to set WEP encryption |
| 131 | Invalid key length |
| 132 | Invalid key value |
| 133 | Invalid key index |
| 134 | Invalid authentication mode |
| 140 | Failed to set WPA-PSK encryption |
| 141 | WPA-PSK is not supported by the wireless card |
| 142 | Invalid passphrase length |
| 143 | Invalid passphrase value |
| 144 | Invalid key length |
| 145 | Invalid key value |
| 146 | Invalid MAC address |
| 150 | Failed to set WPA-ENT encryption |
| 151 | WPA-ENT is not supported by the wireless card |
| 160 | Failed to scan for wireless networks |
| 170 | Failed to read power value |
| 171 | Client is not associated with an AP |
| 180 | Failed to read rate value |
| 181 | Client is not associated with an AP |
| 1000 | Unknown error |

A full set of Error Codes verifies whether wireless configuration commands were completed successfully and help identify points of failure.