Motorola Mobile Computer
Wireless Configuration Tutorial
Motorola Wireless Configuration

Where do I begin?

For **ES400 & MC65** start here

For **WM/WEH** start here

Return to Saving Profiles
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You have now launched the *Wireless or Fusion Launcher*

**Step 1:** Enable the radio if needed
If you are not within range of a network select **Manage Profiles** to create a profile “offline”

Tap and hold a blank space to get this menu and select **Add**

Tap **Find WLANs** to start scanning for available networks

Tap and hold the network and select **Create Profile**
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Creating your WLAN profile can now begin.

You may change the **Profile Name** if desired but **ESSID** will need to stay as displayed. For simplicity we recommend leaving the profile name the same as the ESSID but it is not required.

Tap **Next** when finished.
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County selection may depend on your access point.
For more information on selecting countries click here

For our example we will select “Allow Any Country”

Tap Next when finished
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There are several security methods supported by Motorola mobile computers. For our example we are using **WPA2 Personal with no authentication and a passphrase** instead of a hexadecimal key.

If you are using older security like WEP, select “Legacy (Pre-WPA)”

Tap *Next* when finished
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Your next screen for security setup will look like this.

To enter the pass-phrase for our example, select Pass-Phrase. For ease of key entry, uncheck “For added security mask characters”

Tap Next when finished
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Enter your pre-shared key or passphrase

Note that minimum length is 8 characters

Tap Next when finished
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Assigning an IP Address

If you are using a DHCP server to assign IP information leave this screen as is and tap Next.

If you are assigning IP addresses manually UNCHECK "Obtain Device IP.." to get the screen below.

Tap Next to get the IP entry screen.
Set "Transmit Power" to "Automatic" and "Battery Usage Mode" to "CAM"

Tap **Next** on the first and then **Save** on the second to finish configuration.
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Once you have finished your configuration you will be taken to the **Manage Profiles** screen. You can tap and hold on the profile you created to **Connect** or **Edit** your profile or **Delete** unwanted profiles. *Delete any profiles you will not be using, these are known to cause conflicts as the device will attempt to connect to them rather than the one you've created.*
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Troubleshooting Tips
Country Selection and 802.11d

If “Allow Any Country” is selected and 802.11d is checked (802.11d is checked by default) the mobile device will not scan for the AP ESSID until the AP provides the regulatory country info in its probe response. The ESSID is then exchanged and the association process will happen.

If there is a specific country selected, 802.11d must then be unchecked as now the mobile client is setting its own regulatory country which it delivers to the AP on probe request.

Where can I change the 802.11d Setting?
Country Selection and 802.11d

What are the signs I might need to change my 802.11d settings?

Manage Profiles shows connection to the AP but you still aren’t on the network.
Access **Wireless Status** from the now familiar main **Launcher** window (you may need to scroll down on the right side of the window to see this option)

**From Wireless Status you can see:**
- Association info
- Signal Level
- Mobile Computer MAC address
- Associated AP MAC address
- Assigned DHCP address
- Wireless (Fusion) firmware information
- Event Logs
Additional Tools – Wireless Diagnostics

Access **Wireless Diagnostics** from the now familiar main **Launcher** window (you may need to scroll down on the right side of the window to see this option)

**From **Wireless Diagnostics **you can:**

• Use standard networking diagnostics tools like ping tests & trace routes
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My device supports 802.11a but I can’t connect to my 5GHz network what is wrong?

5ghz (802.11a) band is not enabled by default.
To enable 802.11a from the Launcher:

Tap 5 GHz to check and tap Save