MOTOROLA

Land Mobile Products Sector

Mobile Workstation 520™
Quick Reference Card

Processor

PCMCIA slots
Reset button
Main power switch (on/off)
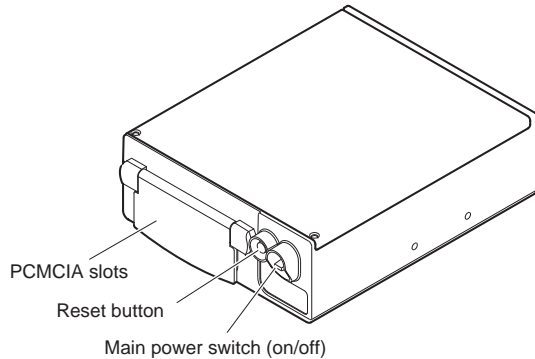
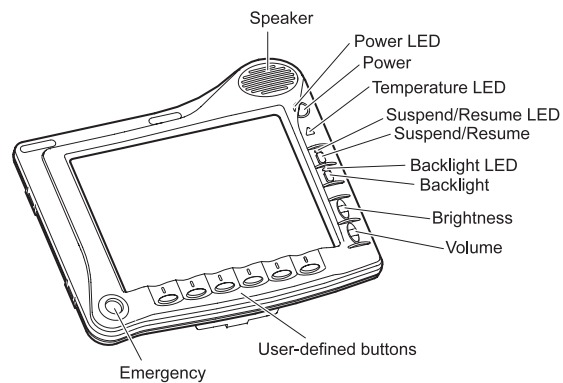|	
Main Power Switch	Connects/disconnects the MW-520 power supply from the vehicle's battery.
Reset Button	Generates a hardware reset.
PCMCIA Slot	Two covered PCMCIA slots.

Monochrome Display

Speaker
Power LED
Power
Temperature LED
Suspend/Resume LED
Suspend/Resume
Backlight LED
Backlight
Contrast
Brightness
Volume
User-defined buttons
Emergency

Color Display
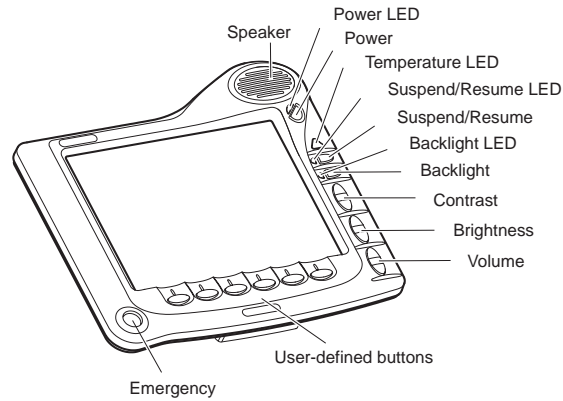
Speaker
Power LED
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Backlight LED
Backlight
Brightness
Volume
User-defined buttons
Emergency

Buttons

Power	Turns the MW-520 on/off.
Suspend/ Resume	Toggles between suspend and resume mode.
Backlight	Toggles between backlight on and off.
Contrast *(for monochrome display only)*	Changes the on-screen contrast level.
Brightness	Adjusts the on-screen light level (32 continuous linear brightness levels).
Volume	Adjusts the speaker's volume level.
User-defined	PC standard function keys.
Emergency	Special key for emergency.

LEDs

Power (green)	On:	System is powered on.
	Blinks:	The vehicle battery is discharged.
	Off:	System is off or the terminal is in suspend mode.
Temperature (red)	Blinks:	Processor or display unit temperature is out of range.
Suspend/ Resume (green)	On:	System is in suspend mode.
Backlight (green)	On:	LCD backlight is off.
	Blinks:	Ignore this information.
	Off:	LCD backlight is on.

Powering On

NOTE: The Main power switch must be ON.
Press the Power button on the MW-520 display. All display buttons and LEDs will light for a period of 1 second. The Power status LED remains lit.

For *ignition-sensitive* workstations insert the car key into the ignition switch and rotate it to ACC position, or start the engine, before powering on.

Restarting

Warm boot: press <Ctrl+Alt+Del>

Cold boot: press the Reset button on the processor's front panel.

NOTE: Save important information.
CAUTION: Restarting the MW-520 when it is running under Windows 95/Windows NT® may damage its operating system or hard disk.

Powering Off

Press the Power button on the MW-520 display.

In critical conditions turn off the Power switch on the processor's front panel.

NOTE: Save important information.
CAUTION: Turning of the Power switch or disconnecting the power cable when the MW-520 is running under Windows 95/Windows NT® may damage its operating system or hard disk.

Entering Suspend Mode

Press the Suspend/Resume button on the display.

The MW-520 automatically enters suspend mode if there is no activity for a predefined number of minutes (as set in the BIOS).

Resuming from Suspend Mode

Press:
- Suspend/Resume button
- Emergency button
- Any keyboard key
- The touchscreen

The MW-520 automatically resumes if:
- A radio message is received
- The *Suspend Timeout* time as set in the BIOS setup has elapsed.
- The ambient temperature is outside the operating range limits.
- The car battery is discharged.
- A PCMCIA card is inserted into its bay when running under Windows NT®.

Adjusting the LCD Display

Monochrome Display

- Press the Backlight button to toggle backlight on and off.
- Adjust the color palette in the Windows® Control Panel under the "Color" section. Use dark text with light background or dark background with light text.

NOTE: Gray colors are not recommended.

- Press the Contrast button upper arrow to increase the contrast or the lower arrow to decrease the contrast.
- Press the Brightness button upper arrow to increase the brightness or the lower arrow to decrease the brightness.

Color Display

- Press the Backlight button to toggle backlight on and off.
- Adjust the color palette in Windows 95/Windows NT® Control Panel under the Appearance tab of the "Display" section. Use the "Windows Standard" scheme.
- Press the Brightness button upper arrow to increase the brightness or the lower arrow to decrease the brightness.

Powering On in Extreme Temperature Conditions

When powering on immediately below or above the operating temperature range, the temperature LED blinks.

The MW-520 will automatically power up once the operating temperature range is reached, or you may turn it off and try later.

If the ambient temperature is much lower than the normal operating temperature, all LEDs and buttons will light up for a period of 1 second and the MW-520 will not power up.

Powering On when the Processor is Faulty

If, during power on, the processor unit is faulty, the Backlight LED will blink.

Powering On with a Discharged Vehicle Battery

The MW-520 will power on normally when the vehicle battery voltage is at least 10.3V.

In the 9.4 - 10.3V range, the Power status LED will blink and the MW-520 will not power up.

Below 9.5V, all LEDs and buttons will light up for a period of 1 second and the MW-520 will not power up.

Operating the MW-520 Extreme Temperature Conditions

If, during normal operation, the ambient temperature deviates from the normal operating range, the temperature LED will blink and a warning message will be displayed on the screen. The MW-520 will automatically power off after 3 minutes.

Operating the MW-520 with a Discharged Vehicle Battery

If, during normal operation, the vehicle battery voltage drops to 10.2V, the Power status LED will blink and a warning message will be displayed on the screen. If the voltage continues to drop, the MW-520 will automatically power off at 8.5V.