

## Notice to Users (FCC and Industry Canada)

This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSS's per the following conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications made to this device, not expressly approved by Motorola, could void the authority of the user to operate this equipment.

**KVL 5000 User Guide** is available for you at: [learning.motorolasolutions.com](http://learning.motorolasolutions.com)



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The KVL main screen appears.

- Tap **OK**.
- In the **Password** field, enter the password for the user.
- Administrator.**
- Tap **Account** and select the role: **Operator** or

when the login banner appears. On the **Login** screen:

To turn the KVL on again, press the power button for a few seconds. If you have the login banner turned on, tap **OK**

To turn the KVL off, press the power button for a few seconds. The KVL vibrates and turns off.

The KVL login screen appears.

- passwords tap **OK**.
- After you set both Operator and Administrators
- Perform the same actions for **Operator**.
- Tap **OK**.
- In the **Repeat password** field, repeat the password.
- In the **New password** field, enter the new password.
- Tap **Administrator**.

Operator and Administrator:

On the **Define passwords** screen, set passwords for both the **Date**, **Time** and **Time zone** fields and tap **OK**. To set the date and time, make appropriate selections in contents of the login banner and tap **OK**. When prompted contents of the **EULA** screen and tap **Accept**. Read the Press the KVL power button for a few seconds. Read the

## TURNING KVL 5000 ON AND OFF

# KVL 5000

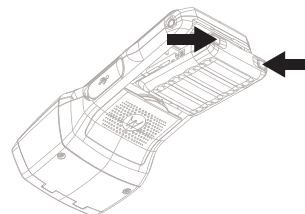
## QUICK START GUIDE



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Turn off the KVL by pressing and holding the Power button. Press the two buttons on the bottom of the battery, both at the same time, to unlock and release the battery.

## REMOVING THE KVL 5000 BATTERY

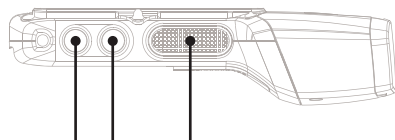
Insert the top of the battery into the KVL. Press the bottom of the battery firmly into the KVL until the two buttons on the bottom of the battery pop-out to lock the battery in place.

## INSTALLING THE KVL 5000 BATTERY

Connect the charger to the AC power source. Open the rubber cap on the left side of the KVL. Connect the micro USB end of the charger to the KVL. The KVL starts charging.

## CHARGING THE KVL 5000

## KVL 5000 BUTTONS



### Push to Load (PTL) button

Perform the last key loading operation:

- short press for End-to-End Encryption keys
- long press for Radio Authentication key

### Home button

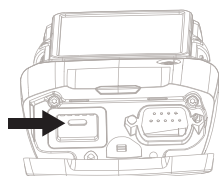
Instantly go back to main menu.

### Reset button

Hold it for a few seconds to perform a system reset.

## CONNECTING THE KVL TO TARGET DEVICES

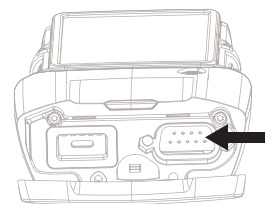
Connect the KVL and the target device through the key load port by using an appropriate key load cable and an adapter (if required).



## CONNECTING THE KVL TO THE KMF – DIRECT CONNECTION

Connect the KVL to the KMF through the DB9 Port (RS-232) using a Null Modem Cable.

Depending on the cable type, you may need to use a DB9 Gender Changer.

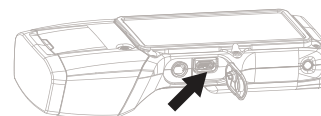


## CONNECTING THE KVL TO THE NETWORK FOR THE KMF COMMUNICATION

Make sure the KVL is charged.

Connect the micro USB to Ethernet Adapter to the micro USB Port on the KVL.

Connect the micro USB to Ethernet Adapter to the network.

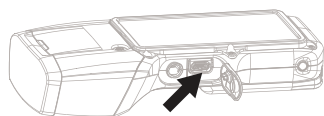


## CONNECTING THE KVL TO THE USB MODEM FOR KMF COMMUNICATION

Make sure the KVL is charged.

Connect the KVL to the USB modem via the micro USB adapter.

Connect the USB modem to the telephone line.



## CONNECTING TWO KVL UNITS

Take the KVL to KVL cable (TKN8209).

Connect two KVLs through their key load ports.

KVL 5000 is compatible with the previous models of the KVL.

## CONNECTING THE KVL TO THE CRYPTR MICRO

Connect the CRYPTR micro key load cable to the key load port on the KVL.

Insert the CRYPTR micro into the SD Slot of the cable.

## LOADING KEYS

Connect the target device to the Key Variable Loader (KVL) using an appropriate key load cable.

From the KVL main screen, go to **Load Keys** → **Load keys**.

Select or unselect keys by tapping their names.

You can select items meeting specific criteria by using

**ⓘ** → **Filter** and tapping **ⓘ** → **Select all**.

To load the selected keys, tap **▶**.

Progress bar appears. *Completed* tone is played. Status for each key is displayed.

If you want to load the same key to another target device, disconnect the current target device and connect another one. The loading process starts automatically.

To return to **Select keys** menu, tap **◀**.

## IMPORTANT NOTES

- Password must be 15 characters, 1 upper, 1 lower, 1 special, and 1 number. For Operators, PIN configuration can be set up instead - refer to the password management section of the KVL 5000 User Guide
- Screen turns off after 60 seconds of idle (not configurable)
- Unit powers down after 5 minutes of inactivity (configurable)
- Screen may be turned horizontally for horizontal keyboard
- USB-KeyBoard may be connected for use, instead of on-screen keyboard