



KOJAK

USER MANUAL

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WELCOME!

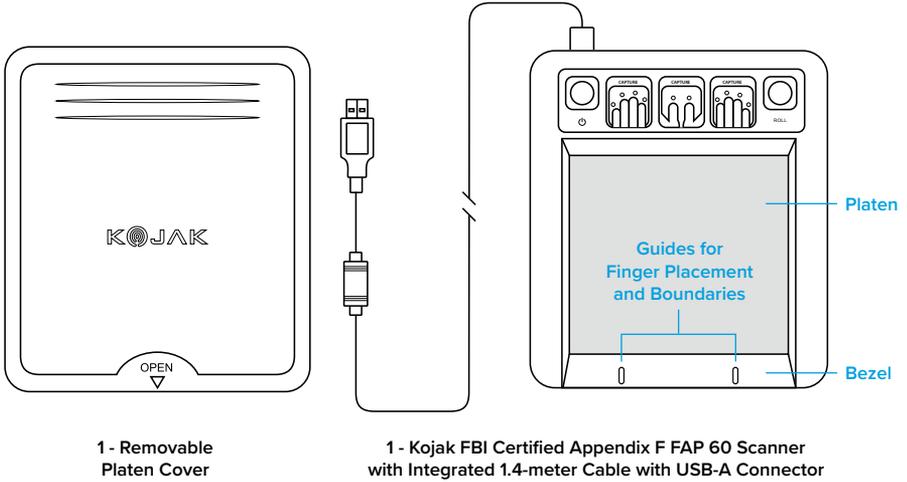
Thank you for purchasing Kojak, Integrated Biometrics' newest addition to our patented Light Emitting Sensor (LES) fingerprint scanning solutions. Kojak is the most durable, highest performance FAP 60 FBI Appendix F-certified ten-print live scanning solution.

Please read this manual thoroughly before using your Kojak to review proper steps for unit operation and capture processes. Your Integrated Biometrics reseller and the IB team are ready to answer any questions you may have!



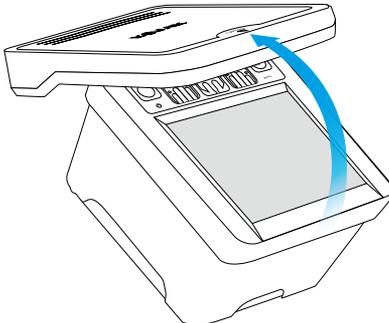
UNPACKING

CONTENTS



Kojak is provided in a securely packaged case. Please notify your Integrated Biometrics reseller in the event of damage during shipment. The product packaging contains all Kojak hardware components. The latest Software Development Kit (SDK) may be downloaded from Integrated Biometrics. Consult page 6 of this manual for details about the software download.

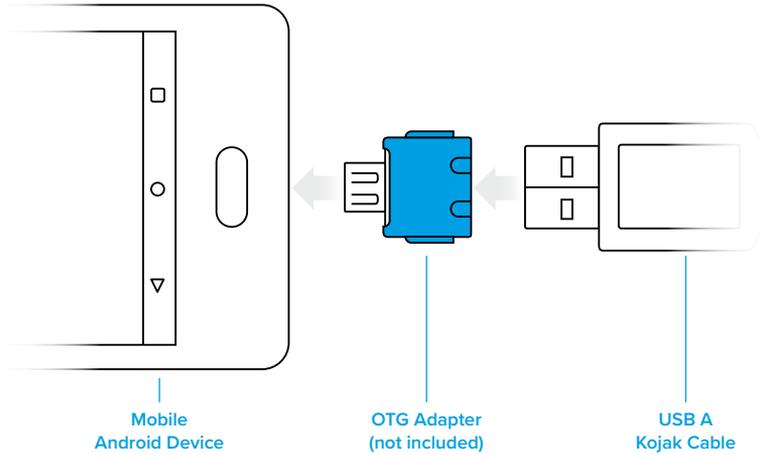
REMOVE COVER



Pull UP and BACK to remove protective cover.

CONNECTING

CONNECT USB TO DEVICE



Connecting Kojak is easy!

1. Download and install the latest IBScanUltimate SDK
2. Connect Kojak to the system via USB (USB 2.0 or later)
Note: An adapter may be required and is not provided
3. Integrated Biometrics provides a variety of test applications for demonstration. IBScanUltimate SDK includes demonstration applications for supported platforms and source code for ease of deployment.

CLEANING AND DISINFECTION

For proper cleaning and disinfection of IB products, visit:

<https://integratedbiometrics.com/cleaning>

RESOURCES

SUPPORT/SOFTWARE DEVELOPMENT

The IBScanUltimate Software Development Kit (SDK) is a set of robust tools that empower solution providers with the ability to deploy compelling LES biometric acquisition applications. The SDK includes support for a variety of operating systems and exceeds the needs of the most challenging environments.

The SDK includes Application Programming Interface (API) documentation, IB software components, demonstration applications and source code for each platform. Demonstration source code is a simple reference for integrators to rapidly develop solutions using Integrated Biometrics' LES technologies. We encourage you to review the included materials and explore the limits of creativity when designing custom biometric solutions.

If you have any questions, please contact your Integrated Biometrics reseller or the IB team. We'll be glad to provide assistance during solution development.

SCANNING

FINGER CONDITIONS

VERY MOIST FINGERS

- Result: Images too dark, poorly defined. Indicates too much moisture on the fingers.
- Solution: Dry the fingers with a towel or cloth before fingerprint capture.
- The resultant images will be lighter and the NFIQ quality scores will improve.

VERY DRY FINGERS

- Result: Images take several seconds to appear or contrast appears lighter than desired.
- Solution: Rub a small amount of moisturizer on the fingertips. (Do not slather.)
- The resultant images will be darker and the NFIQ quality scores will improve.
- Gentle or light contact with the plate is recommended in scanning. Placing extra pressure on the hand is not recommended.
- Avoid using hand sanitizers, alcohol based lotions, and baby wipes prior to scanning.

BEST PRACTICES

- Never put a wet hand on the scanner i.e., just washed and not thoroughly dried, holding a bottle of liquid that leaves condensation on your hand. Hands should be wiped dry.
- Never use two hands on the scanner at the same time (see next page)



Normal Fingerprints



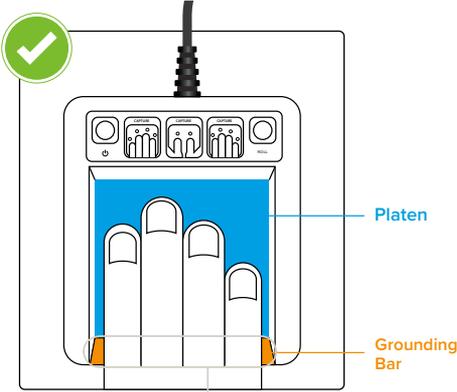
Wet Fingerprints



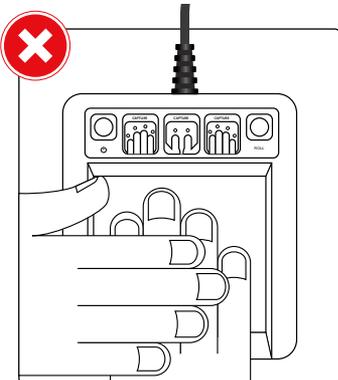
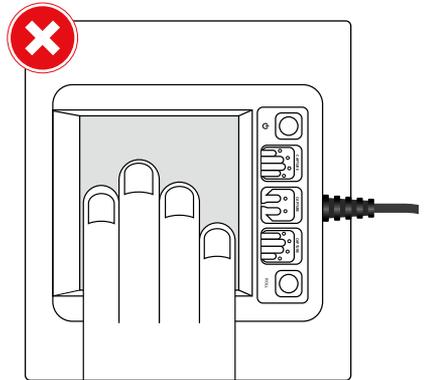
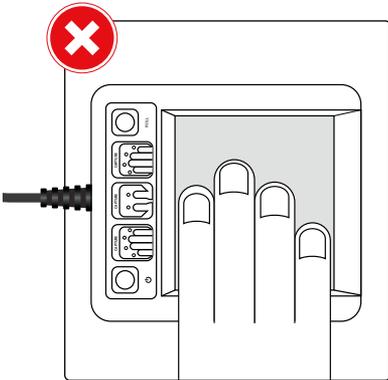
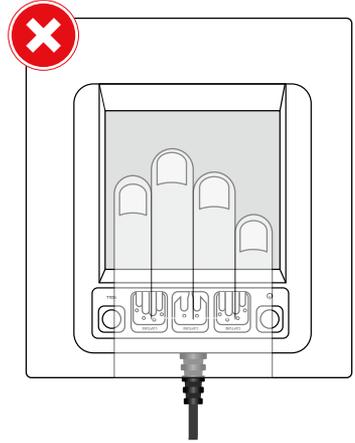
Dry Fingerprints

HAND ORIENTATION

CORRECT PLACEMENT – TOP VIEW



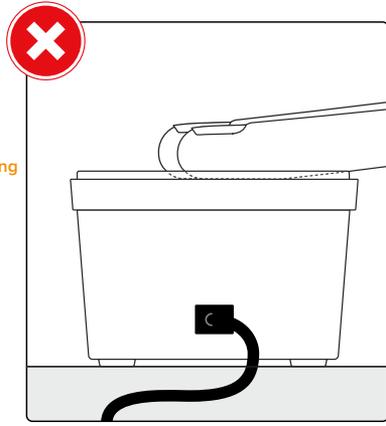
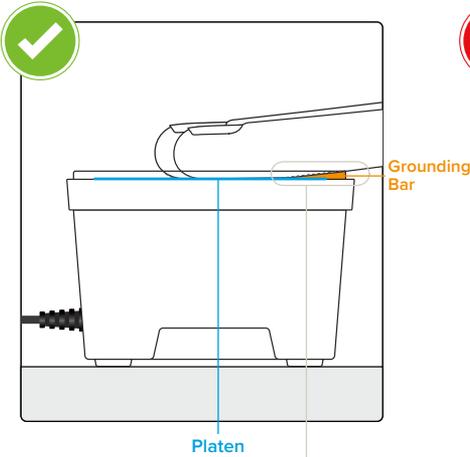
Fingers should be pointing at cord and grounded firmly against the **platen** and **grounding bar**.



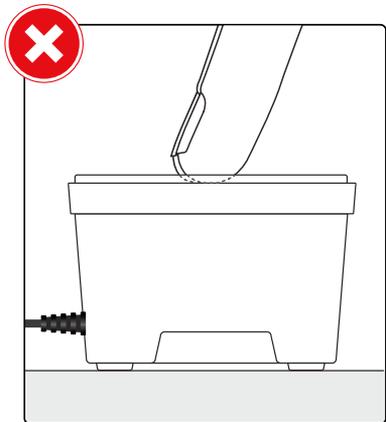
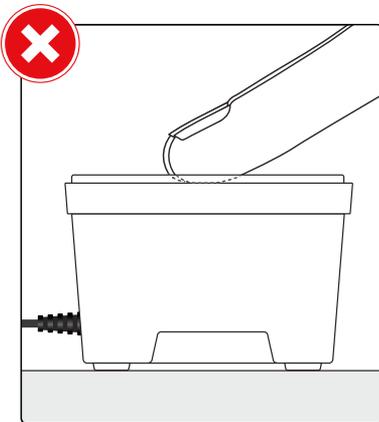
Never use two hands on the scanner at the same time.

FINGER CONTACT

CORRECT PLACEMENT – SIDE VIEW

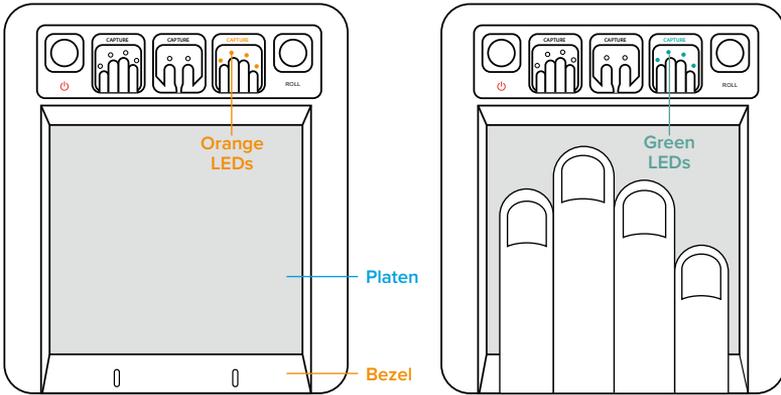


Fingers should be pointing at cord and grounded firmly against the **platen** and **grounding bar**. Gentle or light contact with the plate is recommended in scanning. Placing extra pressure on the hand is not recommended.



FLAT SCANNING

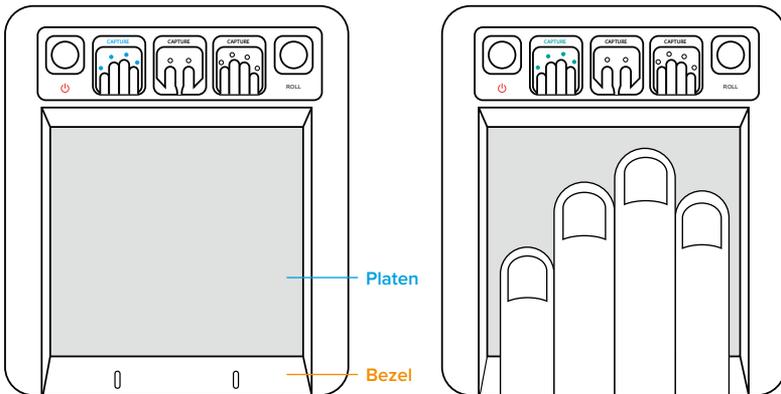
FINGER POSITION



Ready to Scan - Right

Place your right hand firmly against the bezel to ensure proper contact.

- Kojak LEDs glow orange
- Place right hand firmly against the bezel to ensure proper contact
- Kojak LEDs glow green when capture is complete
- Repeat process for left hand

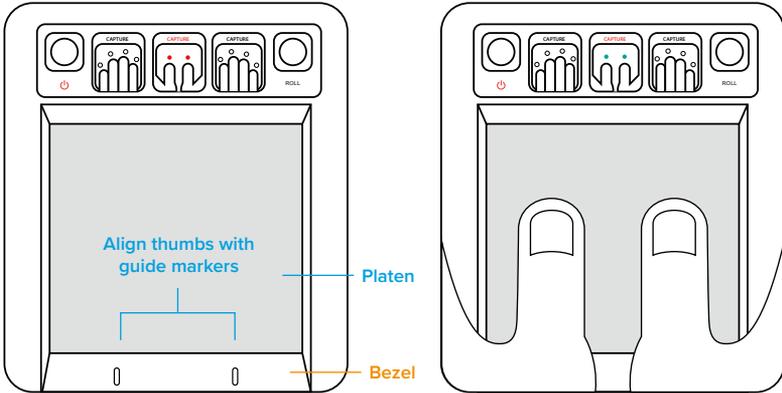


Ready to Scan - Left

Place your left hand firmly against the bezel to ensure proper contact.

FLAT SCANNING

THUMB CAPTURE



Ready to Scan Thumbs

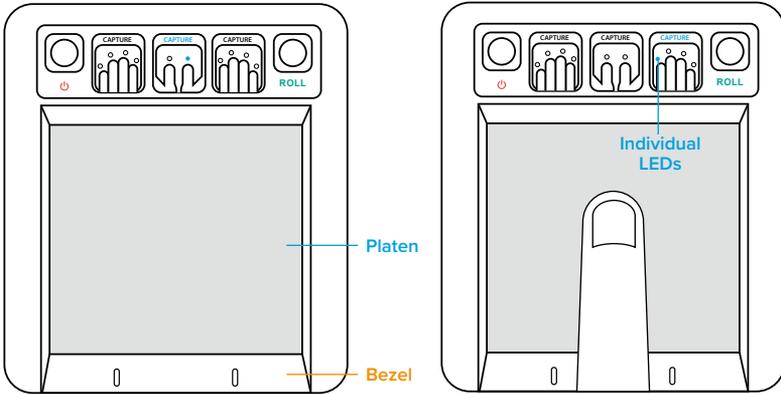
Thumb Scan Complete.
Place bottom of thumbs firmly against the bezel to ensure proper contact.

- Kojak LEDs glow orange
- Grasp the unit with index fingers pointed towards the LED notification panel at the top of Kojak
- Place thumbs flat against the platen
- Kojak LEDs glow green when capture is complete

ROLL SCANNING

FINGER PLACEMENT

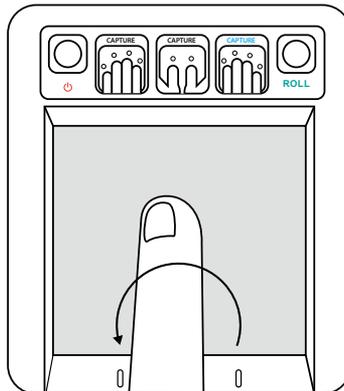
When performing rolls, place indicated finger firmly against the bezel and platen to ensure proper contact.



Ready to Scan - First Finger

Finger Placement

- Roll scan LED illuminates
- Individual LEDs indicate specific finger to scan
- Place finger flat on platen between bezel guide markers extending slightly past the first knuckle
- While maintaining good contact with both platen and bezel, roll finger 45 degrees to the left

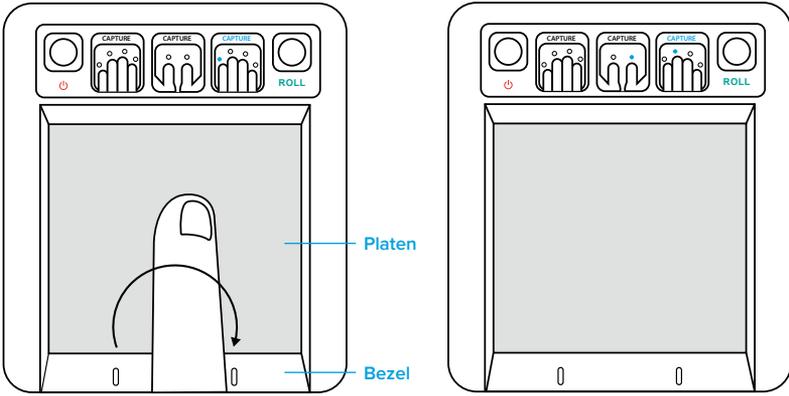


Roll Left Complete

NOTE: Optimal scanning requires stopping at +/- 45 degrees from flat.

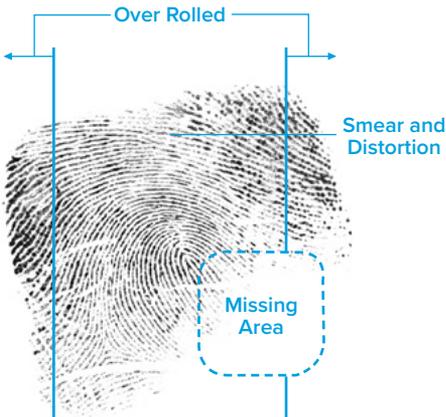
ROLL SCANNING

FINGER POSITION



- While maintaining good contact with both platen and bezel, roll finger 45 degrees to the right
- On-screen operator visualization and LED / audio notification from Kojak notify scan complete
- Kojak finger placement LED indicates the next finger in sequence

EXAMPLES OF ROLLED FINGERPRINTS



Improperly Rolled



Proper Print

WARRANTY

All products are guaranteed for 12 months from the date of delivery.

Additional year warranties available. Check with your dealer.

See the warranty here: <https://integratedbiometrics.com/warranty>

COMPLIANCE

FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by Integrated Biometrics could void the user's authority to operate this equipment legally under FCC regulations.



WORLD-CLASS TECHNOLOGY

LES technology empowers energy-efficient, compact, and durable biometric scanning solutions unique to the market. Ready to deploy in any environment under any conditions, Integrated Biometrics' scanners are the choice for high performance applications.

KOJAK

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