

apkudo

Package Station
SIR01

Overview

The following slides give an overview of how to use the Package Station.

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Change History

1.0-DRAFT-A	2021-02-09	Initial draft release for review.
1.0-DRAFT-B	2021-02-10	Incorporated review comments.
ARCHIVED	2021-02-11	ARCHIVED. No longer needed.

About the Package Station

The **Package Station** is integrated with T-Mobile Hive to reduce or eliminate discrepancies for Store Transfer Orders (STOs). The Ship It Right Station:

1. Validates devices as they are scanned against the STO, reducing the number of missing or extra devices in a shipment.
2. Provides verbal feedback to users for each step of the shipping process.
3. Keeps track of the weight as each device is placed in the shipping box. This allows the system to identify when a device has been scanned but not added to the box, or when a device has been removed from the box.
4. Stores device IMEIs and the total weight of the shipping box in Hive.
5. Captures the scanning and packing process on video, which is stored in Hive and can be referenced in the event of an exception.

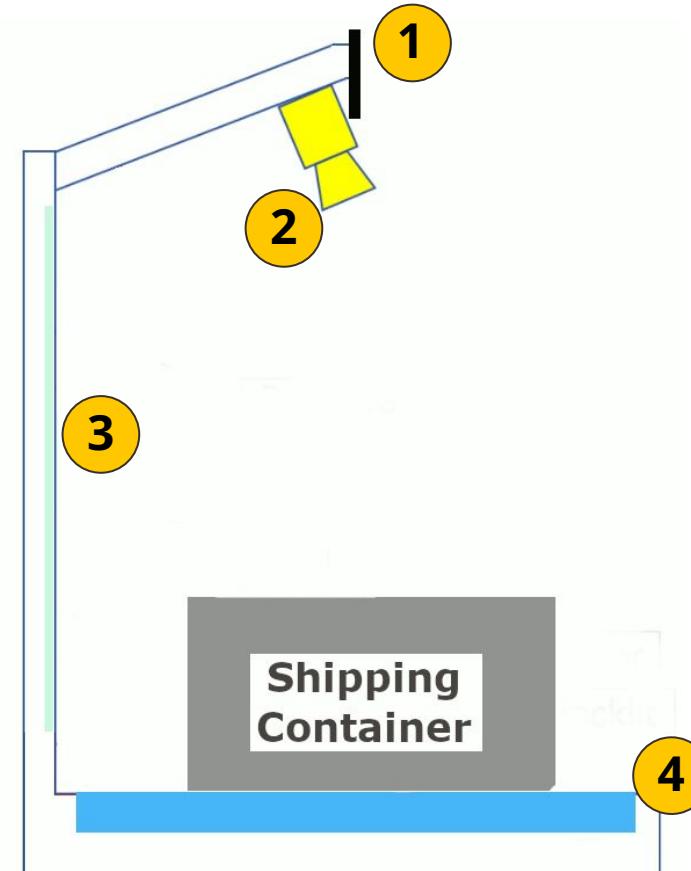
These functionalities allow Hive to compare the arrival weight of a package with the shipping weight to identify packages that have inconsistencies. Those packages are diverted to Exception Handling, where the opening and unpacking of the box is recorded on video.

Packing and unpacking videos can be compared in Hive to identify packages that may have been tampered with during shipment. This provides T-Mobile with evidence of pilferage during transportation that can then be used to file a claim.

About Package Station continued

Parts of the **Package Station** include:

1. **Screen** – The screen allows the user to select functions, provides visual messages for each step of the shipping process, and shows what is being recorded during the process.
2. **Camera and Scanner** – The video camera records the entire scanning and boxing process. The scanner is used to scan the STO, each device's barcode IMEI, and the shipping label.
3. **Light** – The light is a visual indicator that the process has an error (red light), or is accepted with no issues (green light).
4. **Scale** – The base of the station is a scale which records the weight of the shipping box.



Ship It Right Station components

About Package Station **continued**

The **Package Station** shown with the optional cabinet. The cabinet has fold-down extensions on both sides, providing a small-footprint workspace for the station and all needed shipping supplies.



Ship It Right Station with optional cabinet

Ship a Package

During the packing process, the T-Mobile Ship It Right Station provides verbal messages, as well as visual messages on the screen.

Follow these steps to prepare a package for shipment using the Ship It Right Station:

1. Place the shipping box on the scale.
2. On the touch screen, select **Start Shipment**. The station provides verbal confirmation: "Ready for shipping. Please scan the STO."
3. Scan the STO. When the STO is scanned, the station verbally gives you a message ("Thanks, STO scanned. Please scan an item.") and the video is timestamped to the start of the shipment.
4. Scan the first device IMEI. The station compares the device IMEI to the IMEI list on the STO. If the device is on the STO, the station provides verbal confirmation: "Item one OK." This registers the device to the box.

If the device is not on the STO, the station gives you a verbal warning: "This device is not on the STO. Do not ship the device in this box."

If the label scanned is not a valid IMEI, the station provides a verbal message: "Invalid IMEI."

5. Place the validated device in the box. When the device is placed in the box, the station light turns green, indicating it's ready to scan the next device, and the station gives you a verbal prompt: "Next item."

Ship a Package continued

6. Continue scanning devices, placing each device in the box after it has been successfully validated. If the station detects a device has been scanned but not added to the box, it gives you a verbal cue: "Please place the scanned device in the box."
7. When the last device IMEI included on the STO is scanned and placed in the box, the station provides verbal confirmation: "This box is now complete. Please scan the shipping label."
8. Scan the shipping label. After the label is scanned, the station provides a verbal prompt: "Put STO paperwork in the box, seal, attach the shipping label, and hit Ship It button."
9. Seal the box, affix the security seals where indicated on the box, and attach the scanned shipping label.
10. On the touch screen, select **Ship It!** The station gives you a verbal message: "Thank you. One second while we take a final weight."
11. After the package weight is recorded, the station gives you verbal confirmation the process is finished: "Excellent! Shipping complete." The box is ready for shipment.

Ship It Right Station Messages

If there are errors during the scanning and shipping process, the Ship It Right Station light turns red and the station gives you verbal cues to help correct the issue. Common problems are:

- ◆ A device is on the STO and scanned to the box, but not placed in the box. The station gives a verbal message: "Please place the scanned device in the box."
- ◆ A device was scanned, placed in the box, and then removed. The station gives a verbal message: "Something may have been removed from the box; if so, please put it back."
- ◆ A device was added to the box without correctly scanning it. The station gives a verbal message: "Something was added to the box; please remove."
- ◆ A device was scanned, but is not on the STO. The station gives an verbal message: "This device is not on the STO. Do not ship the device in this box."

Ship It Right Station Messages continued

Ship It Right Station Verbal Message	Message Description
Please scan an item.	The system is waiting for a device to be scanned.
Item <number> OK.	A device has been scanned and verified against the STO.
Please place the scanned device in the box.	A device has been scanned and verified against the STO, but not added to the box.
This device is not on the STO. Do not ship the device in this box.	A device has been scanned, but it is not included on the STO.
This box is now complete. Please scan the shipping label.	All devices have been scanned and verified against the STO with no discrepancies.
One device is not on the STO. Please remove all devices from the box and rescan all devices for this STO.	Devices have been scanned, but the total package weight indicates an unknown, unscanned device is included in the box.
Something may have been removed from the box, if so please put it back.	A scanned device has been removed from the shipping carton.

Troubleshooting the Ship It Right Station

If there are issues with functionality, reboot the system by unplugging the unit from the power source, waiting 30 seconds, then plugging the unit back into the power source. When the station is rebooted, remove all devices from the bos and restart the shipping process from the beginning.

If rebooting the system does not fix the issue, please contact Support.



Thank You

For additional assistance or feedback, please feel free to contact us at
support@apkudo.com.

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment.

NOTE: 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 important announcement .

Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Statement

- English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

(1) Cet appareil ne doit pas provoquer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

RF Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

L'appareil destiné à fonctionner dans la bande 5150-5250 MHz est uniquement destiné à une utilisation en intérieur afin de réduire le potentiel d'interférences nuisibles aux systèmes mobiles par satellite cocanaux.