Typically we put a product pic on the cover.

Brady ATA Tag Commander

Mobile RFID Software

Android Compatible

User Manual

DRAFT 5

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Revision A

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DRAFT

Technical Support

Contact Information

For technical assistance, contact Brady Technical Support with your device model.

Phone: 1-800-643-8766

Email: Tech_Support@bradycorp.com

Repair and Return

Users if for any reason you need to return the product for repair please contact the company from which the product was purchased.

Document Conventions

When using this document, it is important to understand the conventions used throughout the manual.

- All user actions are indicated by **Bold** text.
- References to menus, dialog boxes, button and screens are indicated by *Italics* text.

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Introduction

Thank you for purchasing the ATA Tag Commander which is used to read and author RFID tags. The software can commission, read, and update RFID tags and/or databases with historical and/or current maintenance and other information that may be stored on the RFID chip.

Features and Functions

- Intuitive user interface
- Sustainable platform to grow with your organization
- Handheld for convenience

System Specifications

Weight:

Dimensions:

Operating Temperature: 41 - 95°F (5-35°C)

Operating Humidity: 10% to 60% (no condensation)

Storage: -4 to 140°F (-20 to 60°C)

Voltage: 100-240VAC, 50/60 Hz, 60 watts

Data Interface: USB 1.1

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Unpacking and Setting Up

Carefully unpack and inspect the device for possible damage during shipping. Keep the original packaging, including the box, in case the device must be returned.

What's in the Box

- Brady ATA Tag Commander
- Power Adapter
- Power Cord
- USB Cable

Registration

Register the Brady ATA Tag Commander on-line at www.bradycorp.com/register and receive free product support and updates!

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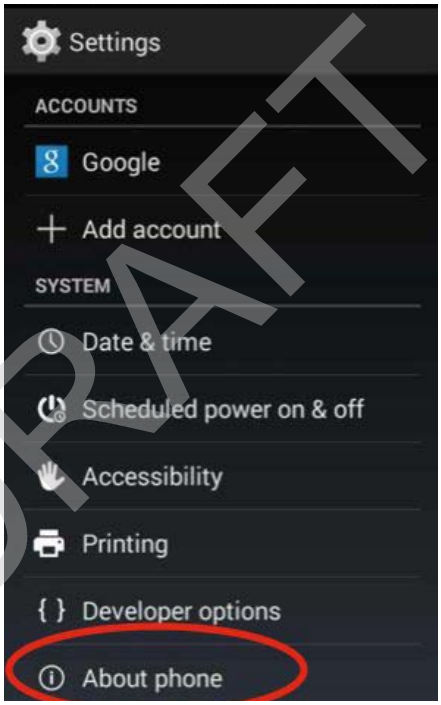
Workflow

Licensing the Product

1. Power up the Reader.
2. Open **Settings**.
3. Scroll to and select **About Phone**.



4. Select **Status**.
5. Find the entry for IMEI and write down the number.
6. Send an email to Tech_Support@bradycorp.com with the IMEI number and the device model.
7. Place the license file, emailed to you by Tech Support, on the computer's desktop.
8. Connect the Brady ATA Tag Commander to the desktop computer using the supplied USB cable.

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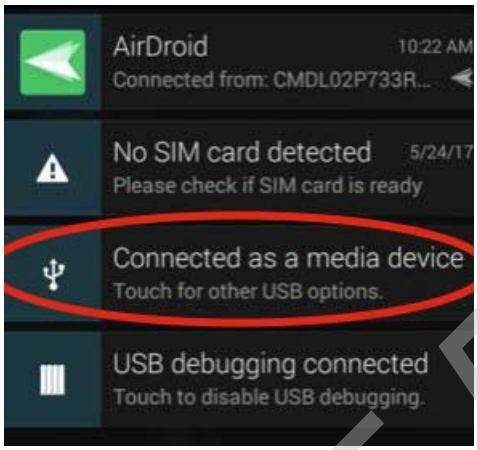
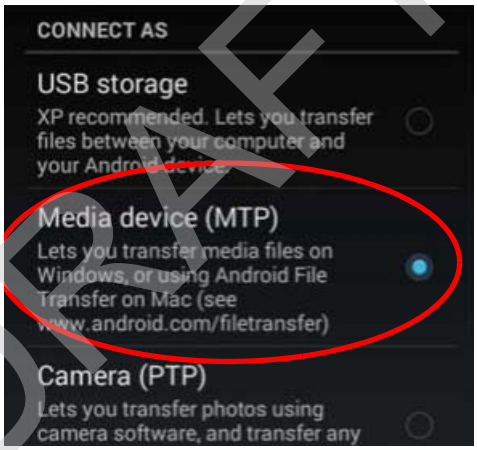
9. On the device, swipe down from the top of the screen to show the status of the USB connection. Ensure that “Connected as a media device” is shown next to the USB icon.



- If the device is not connected, tap the USB icon, and then select Media device (MTP) from the list.



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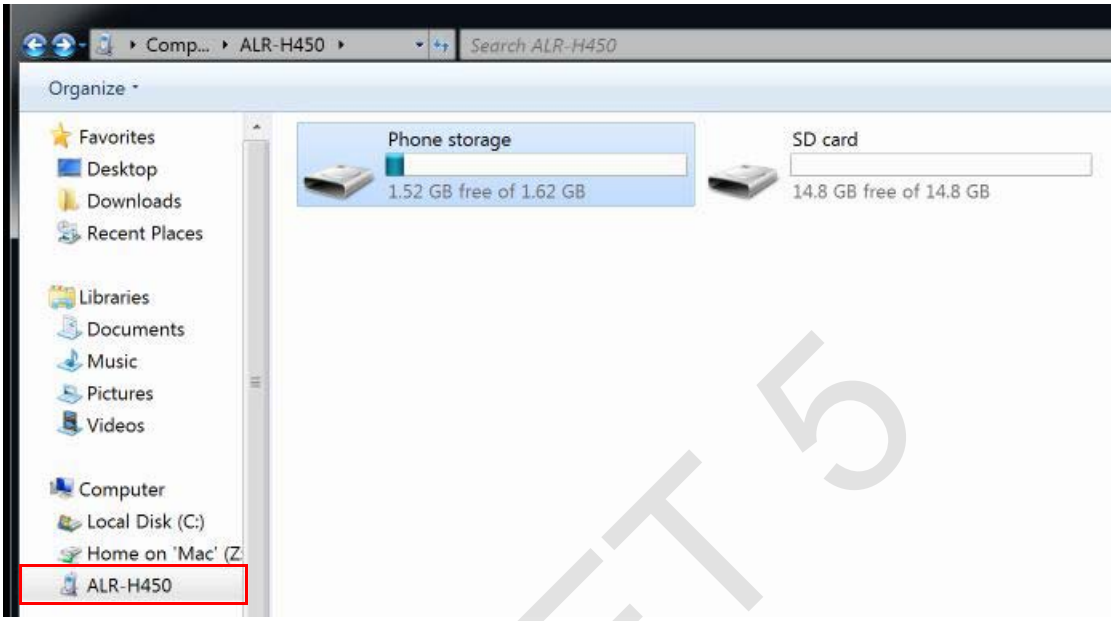
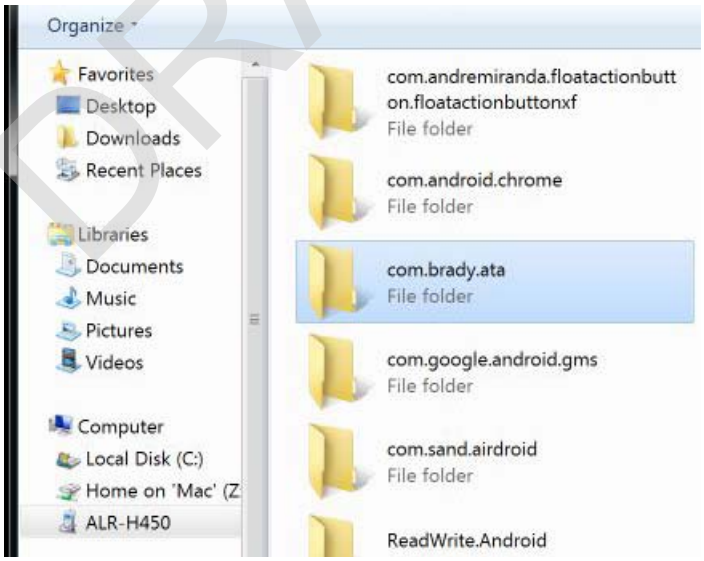
10. In Windows explorer, navigate to the device and double-click **Phone storage**.



11. Navigate to and double-click on the **Android folder**.
12. Double-click on the **data folder**.
13. Navigate to and double-click on the **com.brady.ata** folder.



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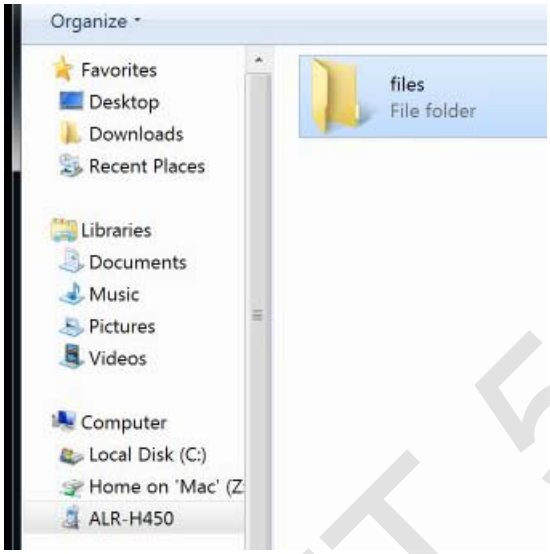
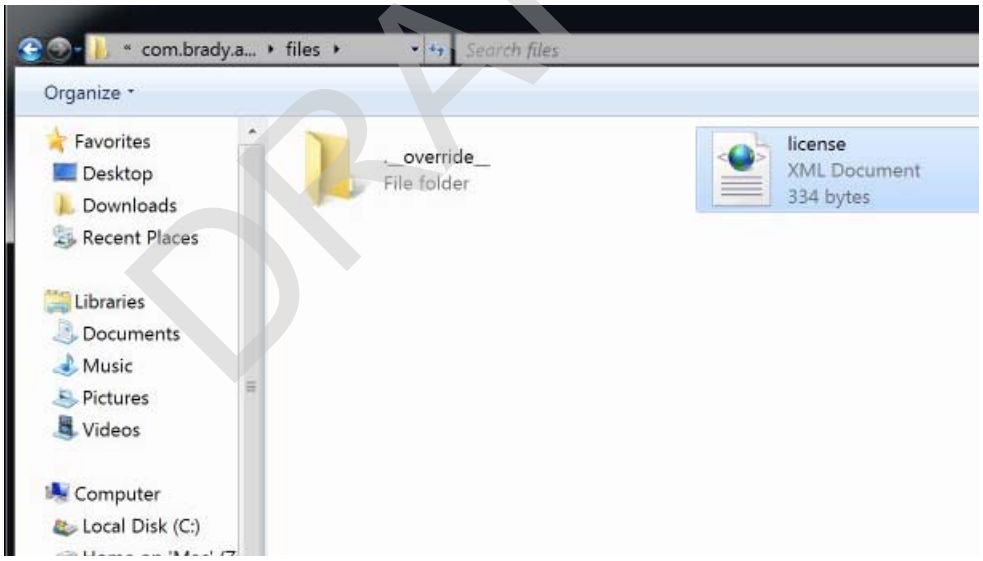
14. Double-click on the **files folder**.



15. Cut <Ctrl-X> the license.xml file that you saved to the computer's desktop and paste <Ctrl-V> it into the files folder.



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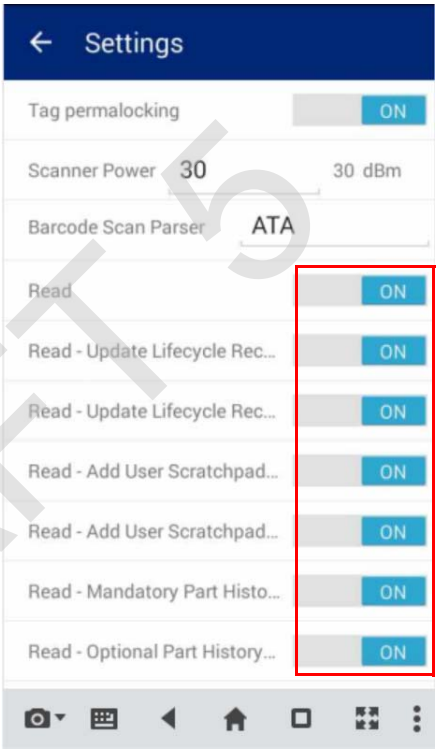
Setting Workflow Options

1. Power up the Brady ATA Tag Commander.
2. Select the **ATA Tag Assistant** program from the *Start Screen*.
3. On the application's *Select Workflow* screen tap the **Settings (gear) icon,** located in the upper right corner of the screen, to view all workflows and application functions.



4. Enter **123** at the password prompt.
   The password can be changed by contacting technical sales at SmartID@bradycorp.com
5. On the *Settings* screen, choose whether or not to display workflows and application functions by selecting ON or OFF.

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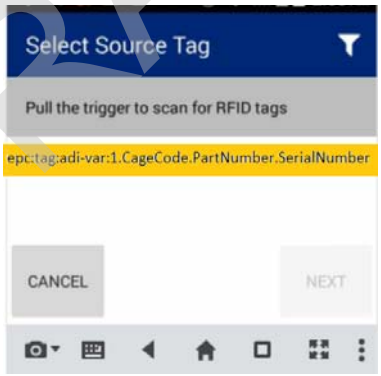
Reading Tags

1. Power up the Brady ATA Tag Commander
2. Tap **Read** from the *Select Workflow* screen.
3. Pull the trigger on the device.

   All Radio Frequency Identification (RFID) tags within range of the antenna will display on the *Select Source Tag* screen.

4. **Tap on the desired Electronic Product Code (EPC)** and aim the Reader at the physical RFID tag.

   The selected tag will be highlighted.



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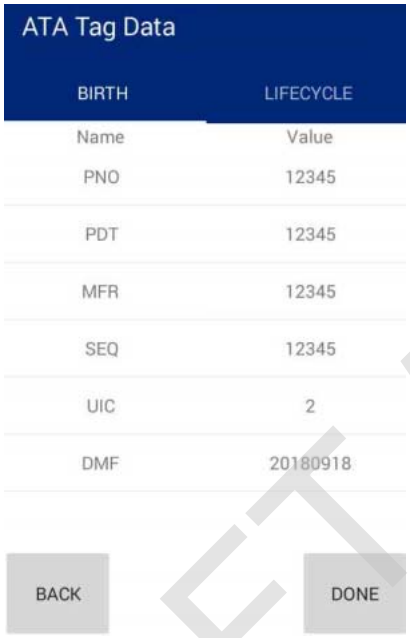
5. Select **Next**.
   When the tag is read successfully the screen will display all information associated with that tag.



IMPORTANT! Keep the Reader pointed at the tag throughout the entire reading process to ensure a successful read.

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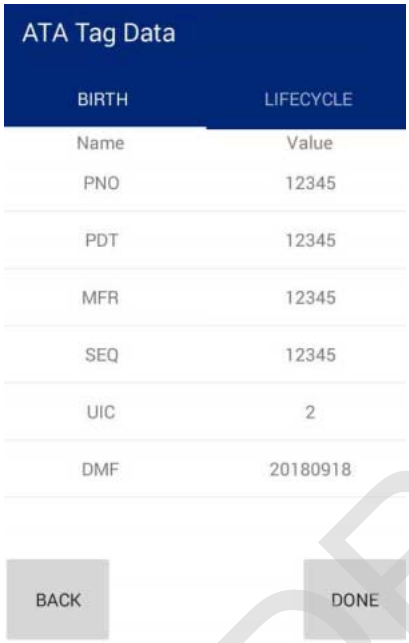
Updating RFID Tag Records

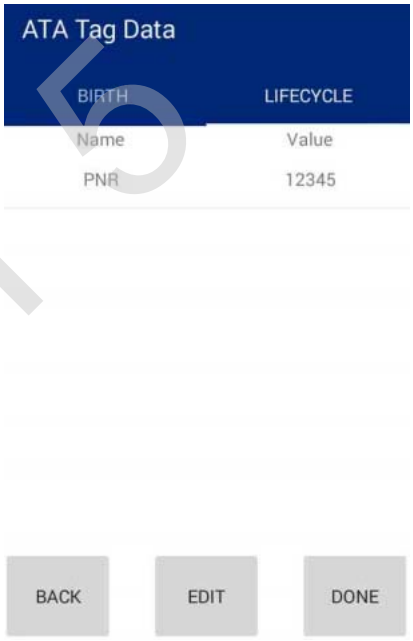
Depending on tag memory structure (single/dual/multi record) adding records, such as Scratchpad, may be unavailable.

Dual Record Tags

1. Follow the steps for “Reading Tags” on page 8.
2. Once a tag is successfully read, select **Lifecycle** at the top of the screen.

.





3. Select **Edit**.
4. Edit the desired information to update the lifecycle record.

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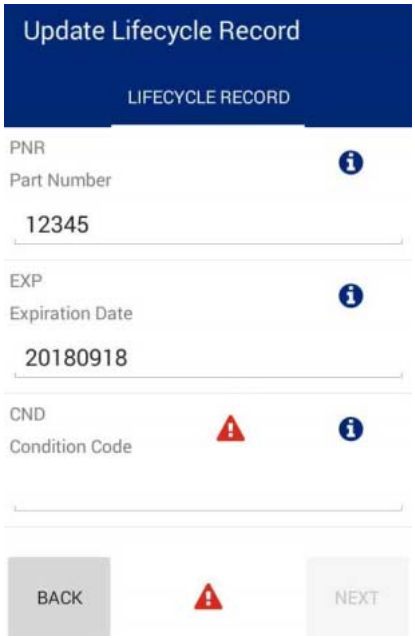
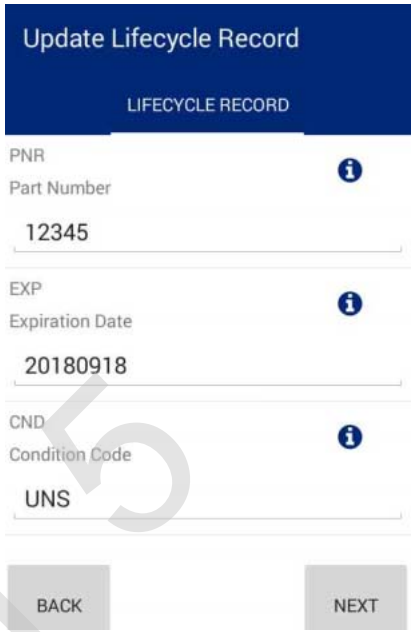
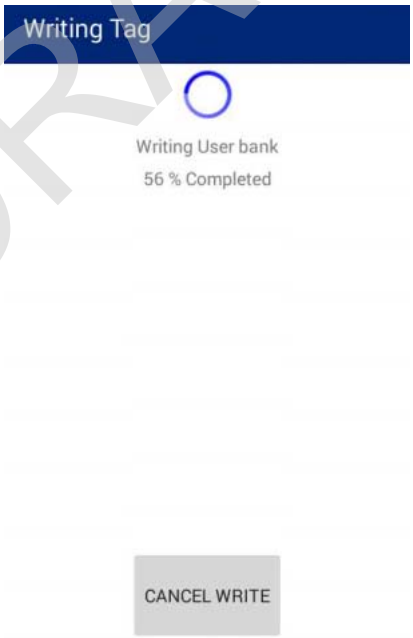




5. Confirm updates to the lifecycle record by selecting **Next.**

IMPORTANT! Keep the Reader pointed at the tag until the update is complete.



6. Complete the update, after the checkmark icon displays, by selecting **OK**.

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7. To verify the update has taken place, re-read the tag and select **Lifecycle**.

Multi-Record Tags

1. Follow the steps for “Reading Tags” on page 8.
2. Once a tag is successfully read, select **Scratchpad** or **Part History** at the top of the screen.

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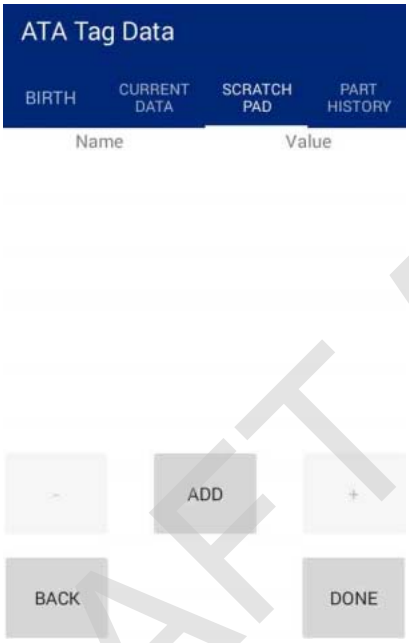
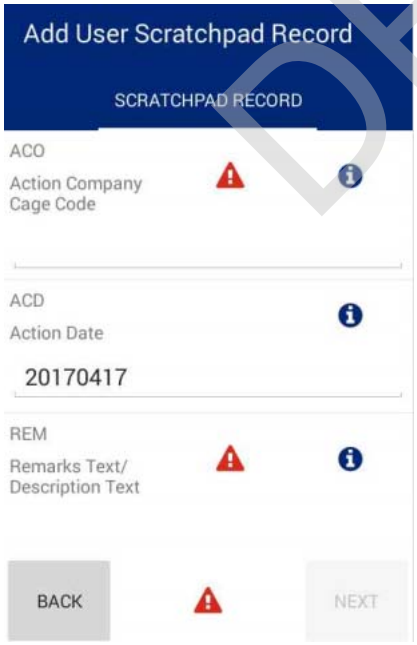
Follow the steps for Scratchpad Record (directly below) or “Part History Record” on page 15.

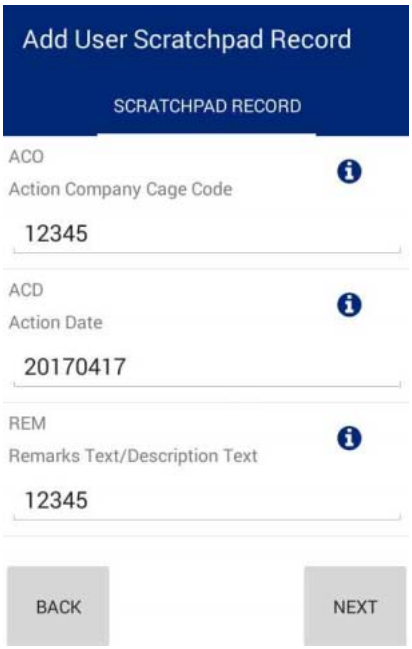
Scratchpad Record

3. Select **Add**.



4. Enter the information into the Scratchpad.





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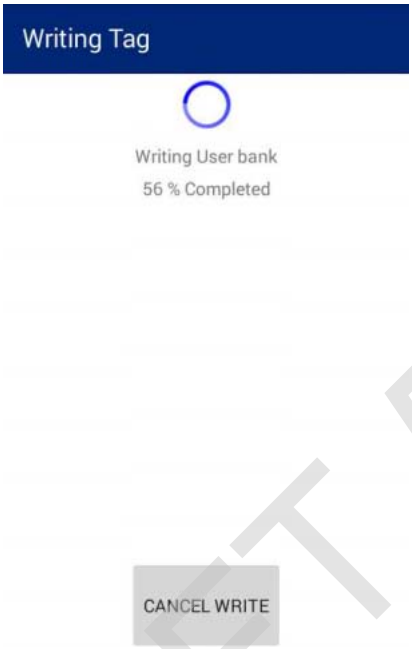
5. Update the Scratchpad Record by selecting **Next**.



6. Complete the update, after the checkmark icon displays, by selecting **Done**.

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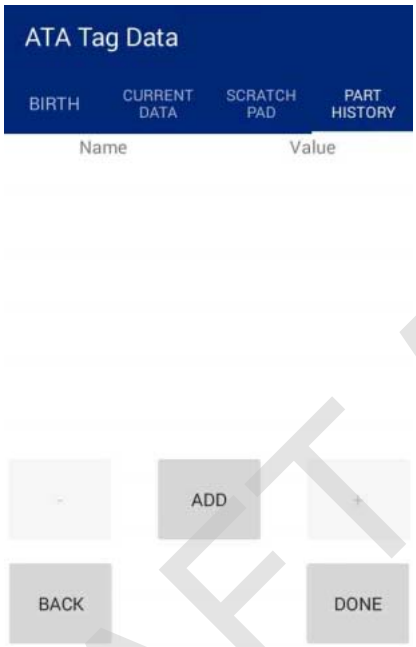
Part History Record

3. Select **Add**.



4. Select **Mandatory** or **Optional** in the part history record workflow.

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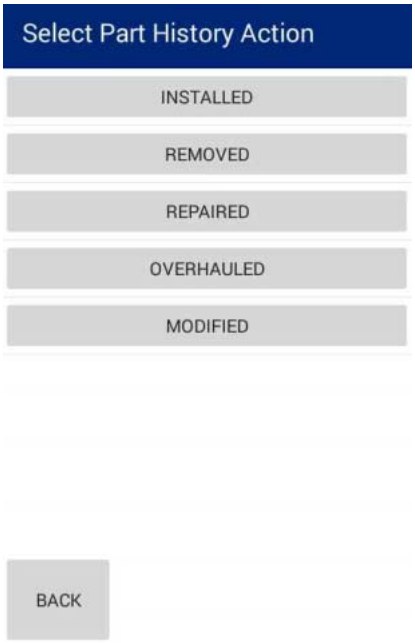
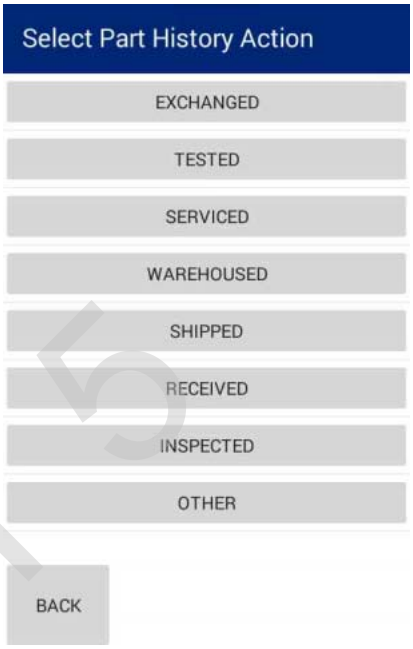
5. Choose the desired Part History Action to edit.
   Available options will depend on workflow.





6. After entering the information into the workflow, update the Part History by selecting **Next**.
   Before selecting Next, be sure to scroll to the bottom of the screen to ensure all relevant information is added.
7. Complete the update, after the checkmark icon displays, by selecting **Done**.

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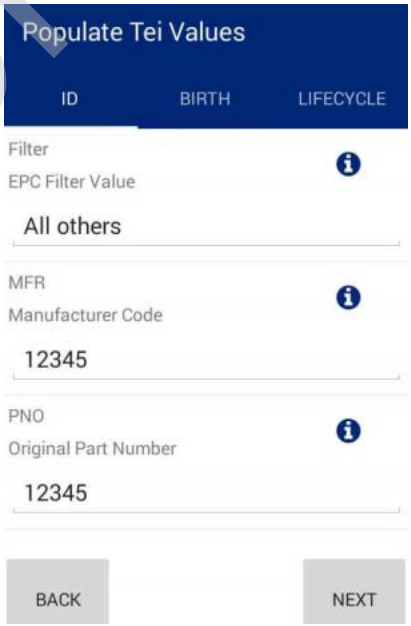
Commissioning RFID Tags

1. On the *Select Workflow* screen, choose either the **Dual** or **Multi** memory type.
   - Verify which type of tag to initialize (Dual / Multi) by contacting technical sales at SmartID@bradycorp.com

2. Enter the information to be associated with the tag and select **Next**.



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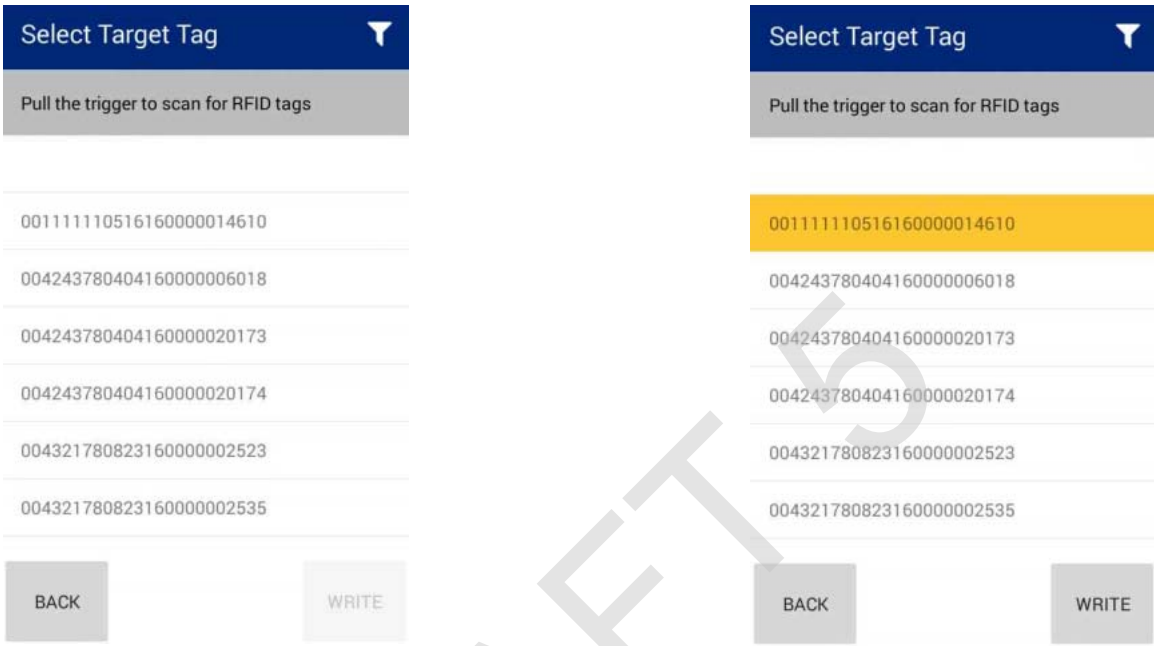
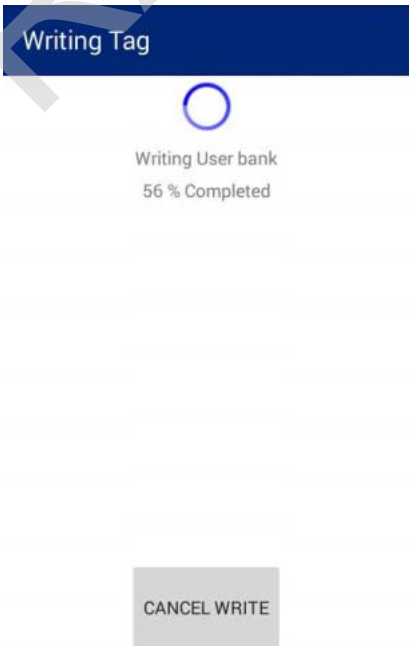
3. Point the Reader at a black RFID tag and pull the trigger on the device.
   If more than one tag displays, select the desired tag.



4. Select **Write**, in the lower right corner, to commission the tag.

IMPORTANT! Keep the Reader pointed at the tag throughout the writing process.



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5. Complete the update, after the checkmark icon displays, by selecting **Done**.

DRAFT 5

Regulatory Compliance

Agency Compliance and Approvals

United States

FCC Notice

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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

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.

Estados Unidos

Aviso de la FCC

Nota: Este equipo se puso a prueba y se confirmó que cumple con los límites para un dispositivo digital de Clase A, conforme a la Parte 15 de las Regulaciones de la Comisión Federal de Comunicaciones (Federal Communications Commission, FCC). Estos límites se han diseñado para proporcionar protección razonable contra interferencias perjudiciales cuando el equipo se utilice en un entorno comercial. Este equipo genera, utiliza y puede emitir energía de radiofrecuencia y, si no se instala y se utiliza según el manual de instrucciones, puede ocasionar interferencias perjudiciales en las radiocomunicaciones.

El uso de este equipo en un área residencial puede causar interferencias perjudiciales, en cuyo caso el usuario tendrá que corregir dichas interferencias por su cuenta.

Los cambios o las modificaciones que no hayan sido aprobados expresamente por la parte responsable del cumplimiento pueden invalidar la autorización que se le otorga al usuario para utilizar el equipo.

Este dispositivo cumple con la Parte 15 de las Regulaciones de la FCC. El uso está sujeto a las siguientes dos condiciones: (1) es posible que este dispositivo no provoque interferencias perjudiciales y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluso aquella que pueda generar un uso no deseado.

DRAFT

Canada

Innovation, Science and Economic Development (ISED)

Canada ICES-003:

CAN ICES-3 (A)/NMB-3(A)

Mexico

IFETEL notice: La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Europe

WARNING! This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Waste Electrical and Electronic Equipment Directive

In accordance with the European WEEE Directive, this device needs to be recycled in accordance with local regulations.

RoHS Directive 2011/65/EU, 2015/863/EU

This product is CE marked and complies with the European Union's Directive 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

EU Directive 2015/863 of 31 March 2015 amends Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances.

Turkey

Turkish Ministry of Environment and Forestry

(Directive on the Restriction of the use of certain hazardous substances in electrical and electronic equipment).

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

DRAFT 5

Wireless Regulatory Information

Regulatory markings, subject to country certification, are applied to host printer signifying wireless approvals have been obtained. For a complete list of approved countries, go to www.BradyID.com/J2000compliance

WARNING! Operation of the device without regulatory approval is illegal.

Radio protocol	ISO15693 compliant RFID reader/writer
RF Operating Frequency	13.56 MHz
RF Output Power	< +20dBm EIRP (100Mw) < +23dBm (200mW)
Antenna Type	PCB loop antenna, 2.5 µH @ 13.56 mHz

United States

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

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

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.

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Información reglamentaria sobre conexiones inalámbricas

Las marcas reglamentarias, sujetas a la certificación de cada país, se aplican a la impresora host, lo que significa que se obtuvieron las aprobaciones (de radio) de wifi. Entre estos países, se encuentran Estados Unidos, Canadá, México, Australia, Nueva Zelanda, Sudáfrica, Corea del Sur y países de la Unión Europea.

¡ADVERTENCIA! El uso del dispositivo sin la aprobación de los organismos reguladores es ilegal.

Protocolo de radio	IEEE 802.11b/g/n para WLAN
Frecuencia de operación de RF	2,4 GHz-2,495 GHz
Potencia de salida de RF	Potencia isótropa radiada equivalente < +20 dBm (100 mW)
Tipo de antena\Ganancia de antena	Antena de trazado en placa de circuito impreso \-3,06 dBi
Condiciones ambientales de uso	-40 °C a 85 °C (-40 °F a 185 °F) **Nota:** Recuerde consultar la guía del usuario de la impresora host de Brady para conocer las temperaturas máximas de uso
Condiciones ambientales de almacenamiento	-55 °C a 125 °C (-67 °F a 257 °F) **Nota:** Recuerde consultar la guía del usuario de la impresora host de Brady para conocer las temperaturas máximas de almacenamiento.

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Estados Unidos

Nota: Este equipo se puso a prueba y se confirmó que cumple con los límites para un dispositivo digital de Clase A, conforme a la Parte 15 de las Regulaciones de la FCC. Estos límites se han diseñado para proporcionar protección razonable contra interferencias perjudiciales cuando el equipo se utilice en un entorno comercial. Este equipo genera, utiliza y puede emitir energía de radiofrecuencia y, si no se instala y se utiliza según el manual de instrucciones, puede ocasionar interferencias perjudiciales en las radiocomunicaciones.

El uso de este equipo en un área residencial puede causar interferencias perjudiciales, en cuyo caso el usuario tendrá que corregir dichas interferencias por su cuenta.

Los cambios o las modificaciones que no hayan sido aprobados expresamente por la parte responsable del cumplimiento pueden invalidar la autorización que se le otorga al usuario para utilizar el equipo.

Este dispositivo cumple con la Parte 15 de las Regulaciones de la FCC. El uso está sujeto a las siguientes dos condiciones: (1) es posible que este dispositivo no provoque interferencias perjudiciales y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluso aquella que pueda generar un uso no deseado.

Declaraciones sobre la colocalización: A fin de cumplir con el requisito de cumplimiento de la FCC relativo a la exposición a RF, la antena que se utilice para este transmisor no debe ubicarse ni utilizarse junto con ningún otro transmisor o antena, a excepción de aquellos que ya se incluyen en el módulo de radio.

Pautas sobre la exposición a RF: La potencia de salida irradiada de este dispositivo está muy por debajo de los límites de exposición a radiofrecuencia. No obstante, para evitar que se superen los límites de exposición a radiofrecuencia en un entorno no controlado, se debe mantener una distancia mínima de 20 cm entre la antena (interna) en placa de circuito impreso del módulo de radio de wifi y la cabeza, el cuello o el cuerpo durante el uso normal.

Canada

Innovation, Science and Economic Development (ISED)

CAN ICES-3 (A)/NMB-3(A)

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Mexico

IFETEL notice:

"La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada."

European Union

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Radio Equipment Directive (RED) 2014/53/EC

a. Frequency band(s) in which the radio equipment operates; 13.56 MHz
b. Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operate; < +23dBm EIRP (200mW)

International

The RFID module used in Brady host printers comply with internationally recognized standards covering human exposure to electromagnetic fields, i.e. EN 62311 "Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)".

DRAFT 5