

Hummingbird RFID Reader Holder

Quick Installation and Maintenance Instructions



Medical Facility Responsibility

Preventive maintenance checks must be performed regularly to maintain the quality and performance of this product. Any parts that may be broken, missing, worn, distorted, or contaminated in any way should not be used and all affected parts should be replaced immediately. Should the necessity of any repair be suspected; please contact your local distributor.



WARNING: IT IS THE RESPONSIBILITY OF THE END USER TO ENSURE ALL ASPECTS OF INSTALLATION ARE COVERED BY FOLLOWING THE FULL MANUAL AND REVIEWING WARNINGS/NOTES FOUND AT:

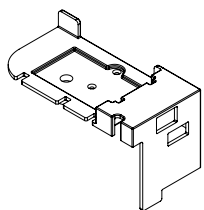
<https://docs.amico.com/amico-aa-mobile-computer-workstation-hummingbird-manual.pdf>

Installation Tools

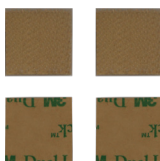


Any Alcoholic Wet Wipes
(Not included)

Installation Tools



HMA-RFID-PI-HLD
(Hummingbird RFID Reader Holder)



H-DUAL-LOCK-CN
(Dual Lock Stickers)



H-DUAL-LOCK-ROUND
(Dual Lock Coin Stickers)



HMA-RFID-SDK /
HMA-RFID-KEY /
HMA-RFID-KES
(Hummingbird RFID Mini Reader, sold by Amico separately)



HMA-SURFLABEL-AGRY
(Work surface Label)

Specifications

Part Number	Description	Physical Dimensions	Physical Weight
HMA-RFID-PI-HLD	Hummingbird RFID Reader Holder	5.1" x 2.5" x 2.8" (12.9 cm x 6.3 cm x 7.0 cm)	0.09 lbs. (0.04 kg)
HMA-RFID-SDK	Hummingbird RFID Mini Reader SDK	2.9" x 1.7" x 0.5" (7.4 cm x 4.3 cm x 1.3 cm)	0.16 lbs. (0.07 kg)
HMA-RFID-KEY	Hummingbird RFID Mini Reader Keystroke	2.9" x 1.7" x 0.5" (7.4 cm x 4.3 cm x 1.3 cm)	0.16 lbs. (0.07 kg)
HMA-RFID-KES	Hummingbird RFID Mini Reader Keystroke for iClass ID/SE/SEOS	2.9" x 1.7" x 0.5" (7.4 cm x 4.3 cm x 1.3 cm)	0.16 lbs. (0.07 kg)

For full specifications of the Hummingbird RFID Reader visit:

<https://www.amico.com/products/computer-workstations/accessories/authentication-devices/rfid-reader-for-hummingbird>

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NOTE: THE **RFID READER HOLDER (HMA-RFID-PI-HLD)** SHOULD ONLY BE INSTALLED AFTER SECURING THE HUMMINGBIRD CART BY LOCKING THE CASTERS. IT IS THE RESPONSIBILITY OF THE CUSTOMERS TO VERIFY THAT THE HUMMINGBIRD CART HAS BEEN INSTALLED IN ACCORDANCE WITH AMICO INSTALLATION INSTRUCTIONS.

1. Lock the **CASTERS** by stepping on the **LOCKING LEVER** (on each **CASTER**) such that it clicks in the down position (**Figure 1**).

WARNING: KEEP THE HUMMINGBIRD CART AT LOWEST POSITION AND DISCONNECTED FROM THE POWER OUTLET.

2. To open the **WORKSURFACE**, insert the key (provided by Amico) into lock on the **WORKSURFACE** and turn counter-clockwise (CCW) to unlock the **WORKSURFACE** (**Figure 2**).

3. Lift the **WORKSURFACE** upwards to access the interior of the **MAIN BIN**.

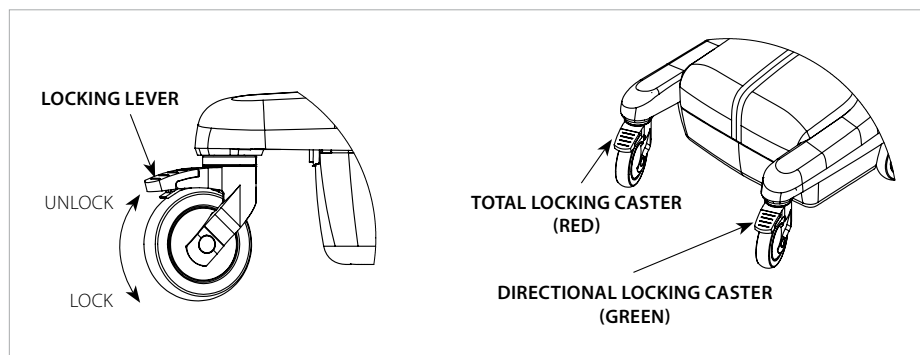


Figure 1

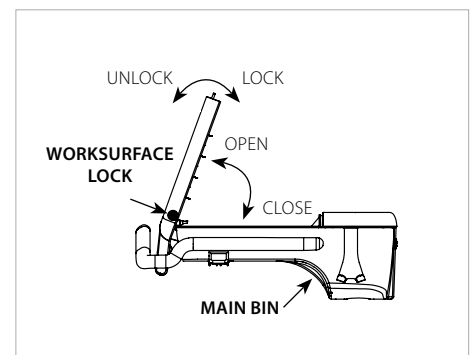


Figure 2

4. Pass the cable of the **RFID MINI READER** (HMA-RFID-SDK/HMA-RFID-KEY/HMA-RFID-KES) through the **RFID READER HOLDER** (HMA-RFID-PI-HLD) (**Figure 3**).



Figure 3

5. Peel one of the backing paper on two sets of **DUAL LOCK STICKERS** (H-DUAL-LOCK-CN) and add two sets on the back of the **RFID MINI READER**. Do not peel the other side. (**Figure 4**).

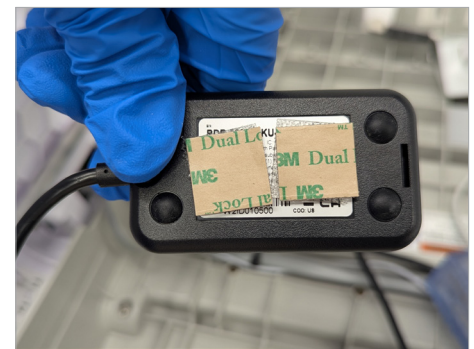


Figure 4

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- i NOTE: FOR HID ICLASS SEOS APPLICATION, ADD TWO **DUAL LOCK COIN STICKERS** (H-DUAL-LOCK-ROUND) ON TOP OF THE **DUAL LOCK STICKERS** (H-DUAL-LOCK-CN) ON EACH, THEN ADD TWO MORE **DUAL LOCK COIN STICKERS** (H-DUAL-LOCK-ROUND) BY CONNECTING THE VELCROS TO RAISE THE **RFID MINI READER** (FIGURE 5).**

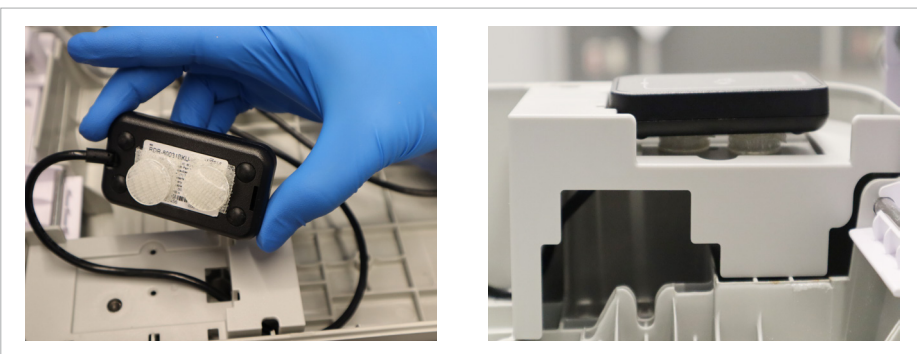


Figure 5

6. Use the **HANDLE NUT** on the left side of the **MAIN BIN** as index and place the **RFID READER HOLDER** (HMA-RFID-PI-HLD) on it while making sure the **RFID MINI READER** cable is passing through the **SIDE GATE** of the **RFID READER HOLDER** (HMA-RFID-PI-HLD) (Figure 6).



Figure 6

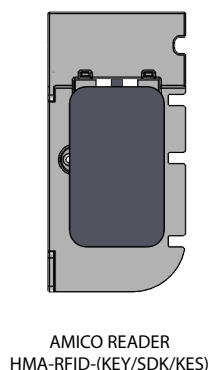
7. Peel the backing paper for the remaining two **DUAL LOCK STICKERS** and stick them on the **RFID READER HOLDER** (HMA-RFID-PI-HLD) by pressing firmly (Figure 7). Connect the **RFID MINI READER** cable to the computer or USB Hub (if using one).

For All-in-Ones, please refer to the Hummingbird Mobile Computer Workstation Manual, Section 7: Cable Management, to connect through LCD post. <https://docs.amico.com/amico-aa-mobile-computer-workstation-hummingbird-manual.pdf>

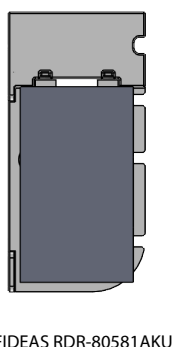
- i NOTE: ORIENTATION OF THE DIFFERENT RFID READERS WITH RFID READER HOLDER AS BELOW.**



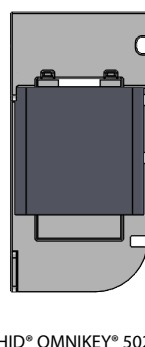
Figure 7



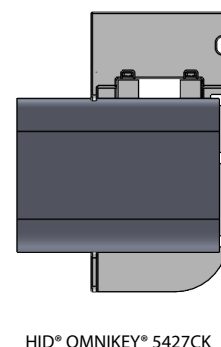
AMICO READER
HMA-RFID-(KEY/SDK/KES)



RFIDEAS RDR-80581AKU



HID* OMNIKEY* 5027



HID* OMNIKEY* 5427CK

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8. Close the **WORKSURFACE** and insert the key (provided by Amico) into the lock on the **WORKSURFACE**, then turn clockwise (CW) to lock the **WORKSURFACE** (Figure 8).

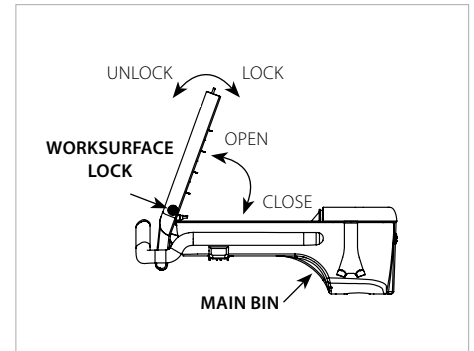


Figure 8

9. Remove existing **WORKSURFACE LABEL** and clean excessive adhesive (if any) on the **WORKSURFACE** (Figure 9).

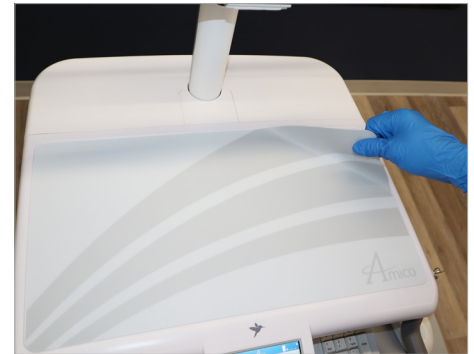


Figure 9

10. Peel the new **WORKSURFACE LABEL** HMA-SURFLABEL-AGRY and stick on the **WORKSURFACE** by aligning the **WORKSURFACE** pocket (Figure 10).



Figure 10

11. Check the connection by using the **ACCESS CARD** (not provided by Amico) on the designated **WORKSURFACE** logo (Figure 11).



Figure 11

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Compatibility of RFID Reader and Configured Cards

1. For **HMA-RFID-KEY**, **HMA-RFID-SDK**, and **HMA-RFID-KES** Mini Readers, refer to the specification sheet for full list of configured and compatible cards. <https://www.amico.com/products/computer-workstations/accessories/authentication-devices/rfid-reader-for-hummingbird>
2. For rfiDEAS Reader **RDR-80581AKU**, tested cards are MiFARE Ultralight, HID iCLASS SE, HID Prox 1, MiFARE Classic K, HID Prox, Indala SP, HID Prox with strip, and ID Prox 2.

 **NOTE:** ADDITIONAL CARD TYPES MAY ALSO BE COMPATIBLE. FOR THE FULL LIST OF SUPPORTED CARDS VISIT <https://www.rfideas-shop.com/rdr-80581aku-ra-wave-idr-plus-v2-keystroke-enroll.html>

3. For HID® OMNIKEY® 5027 Reader tested cards are MiFARE Ultralight, HID iCLASS SE, MiFARE Classic K, HID SEOS IP, and HID SEOS RP.

 **NOTE:** ADDITIONAL CARD TYPES MAY ALSO BE COMPATIBLE. FOR THE FULL LIST OF SUPPORTED CARDS VISIT <https://www.hidglobal.com/documents/omnikey-5027-usb-reader-datasheet>

4. For HID® OMNIKEY® 5427CK Reader, tested cards are MiFARE Ultralight, HID Prox 1, HID iCLASS SE, HID SEOS IP, HID SEOS RP, HID Prox, Indala SP, HID Prox with strip, and ID Prox 2.

 **NOTE:** ADDITIONAL CARD TYPES MAY ALSO BE COMPATIBLE. FOR THE FULL LIST OF SUPPORTED CARDS VISIT <https://www.hidglobal.com/documents/omnikey-5427ck-reader-datasheet>

Troubleshooting

Symptom	Possible Cause	Solution
Worksurface is not closing properly	<ul style="list-style-type: none">• RFID holder is not sitting well• RFID cable not snugged well	<ul style="list-style-type: none">• Make sure the RFID holder sits inside the index hole. See step 6.• Pull the complete RFID cable out from the holder and pass through the side gate properly. See step 6.
RFID is not detecting	<ul style="list-style-type: none">• RFID cable disconnected or loose	<ul style="list-style-type: none">• Make sure the USB type A is inserted properly into the computer.
	<ul style="list-style-type: none">• Check if it's the SEOS card application	<ul style="list-style-type: none">• Add the additional dual lock. Refer the instruction for SEOS application.

Maintenance

To ensure optimal performance and longevity of the RFID Reader, perform periodic maintenance as follows:

- Inspect the device connections and power/data cable regularly for signs of wear or damage and secure every 3 months.
- Clean the Reader as part of your regular maintenance routine for other electronic devices stored in the main bin by using a dry cloth or any alcoholic wet wipes. Avoid using harsh chemicals.
- Update RFID Reader firmware when recommended by the manufacturer to maintain compatibility and performance.

Always power off the device before performing any maintenance. Contact support for issues beyond basic maintenance.

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Warranty

Amico Accessories Inc. warrants all mounting accessories to be free from defects in material and workmanship for a period of twelve (12) months from the date of shipment. Within this period Amico Accessories Inc. will repair or replace any part which is proven to be defective.

Amico Accessories Inc. will warrant its materials to be free from defect for an additional period of four (4) years, (five [5] years from the date of shipment). Within this period, Amico Accessories Inc. will replace any part which is proven to be defective, at no charge. Shipping and Installation costs after the first twelve (12) months will be borne by the Customer.

This warranty is valid only when the product has been properly installed according to Amico Accessories Inc. specifications, used in a normal manner and serviced according to factory recommendations. It does not cover products that are not manufactured by Amico Accessories Inc. It does not cover failures due to damage which occurs in shipments or failures which result from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

Amico Accessories Inc. shall not be liable for incidental or consequential damages resulting from use of equipment.

All claims for warranty must first be approved by Amico Accessories Inc. A valid Return Goods Authorization (RGA) number must be obtained from Amico Accessories Inc. prior to commencement of any service work. Warranty work, which has not been pre-authorized by Amico Accessories Inc., will not be reimbursed.

AMICO ACCESSORIES INC. DOES NOT HONOR VERBAL STATEMENTS CONCERNING THE WARRANTY.

The distributor and/or dealer are not sanctioned to create verbal warranties about the product described in this agreement. Any statements will not be honored or be made part of the agreement of sale. This document is the final complete and exclusive terms of the agreement.

THIS WARRANTY IS INCLUSIVE AND REPLACES ALL OTHER WARRANTIES.

Amico Accessories Inc. shall not, under any circumstances be liable for incidental or consequential damages including, but not limited to, profit, loss of sales or injuries to person(s) or property. Correction of noncompliance as noted above will result in completion of all liabilities of Amico Accessories Inc., whether based on agreement, neglect or changed materials, designs or specifications without notice.

All claims for warranty must first be approved by Amico Accessories Inc. Service Department: accessories@amico.com or 1.877.264.2697. A valid Return Goods Authorization number must be obtained from Amico Accessories Inc. prior to commencement of any warranty claim.