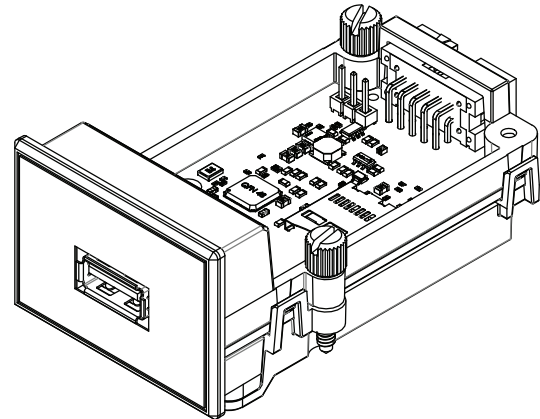**REDLION**™

USAT
Connect What's Critical™

DA USB Sled
Installation Guide

- High-Speed USB 2.0 host port
- 500 mA capable
- Industrial rated for harsh environments
- Wide operating temperature range
- Field installable

CE

For use with DA50 and DA70 series covered in DEMKO 20 ATEX 2268X and IECEx UL 20.0007X certificates

PACKAGE CHECKLIST

This product package should contain the items listed below. If any items are missing or damaged, contact Red Lion immediately.
- DA USB Sled
- Installation Guide

SAFETY SUMMARY

All safety related regulations, local codes and instructions that appear in this document or on equipment must be observed to ensure personal safety and to prevent damage to either the device or equipment connected to it.

Do not use these products to replace proper safety interlocking. No software-based device (or any other solid-state device) should ever be designed to be responsible for the maintenance of personnel safety or consequential equipment not equipped with safeguards. Red Lion disclaims any responsibility for damages, either direct or consequential, that result from the use of this equipment in a manner not specified.

⚠ CAUTION: Risk of Danger
Read complete instructions prior to installation and operation of the unit.

ATTENTION : Risque de danger
Lire les instructions complètes avant l'installation et l'utilisation de l'appareil.

ORDERING INFORMATION

DESCRIPTION	PART NUMBER
USB Host Sled	DA S00 PN40U 400 000

Spaces in listed part numbers are shown to improve readability, do not include when searching for or ordering these parts.

SPECIFICATIONS

1. **POWER REQUIREMENTS**: Power is supplied by the DA host controller.
   Max Power: 3 W
2. **INTERFACES:** USB 2.0
3. **ENVIRONMENTAL CONDITIONS**:
   Operating Temperature Range: -40 to 75 °C
   Storage Temperature Range: -40 to 80 °C
   Vibration to IEC 60068-2-6: Operational 5-500 Hz, 2 g
   Shock to IEC 60068-2-27: Operational 15 g
   Operating and Storage Humidity: 0 to 95% max. RH non-condensing
   Altitude: Up to 2000 meters
4. **CERTIFICATIONS AND COMPLIANCES**:
   Refer to the controller manual for agency certifications.
   CE Approved
       EN 61326-1 Immunity to Industrial Locations
       Emission CISPR 11 Class A
       IEC/EN 61010-1
       RoHS Compliant
5. **INSTALLATION REQUIREMENTS**: Sled must be installed inside the unit case with the hardware provided. See "Installing the DA USB Sled" for more details
6. **WEIGHT**: 2.1 oz (65.32 g)

INSTALLING THE DA USB SLED

⚠	**CAUTION**: Follow standard ESD precautionary procedures. **ATTENTION**: Suivez les procédures de précaution standard de décharge électrostatique.

⚠	WARNING - Disconnect all power to the unit before installing or removing sleds. AVERTISSEMENT - Débranchez l'alimentation électrique de l'appareil avant d'installer ou de retirer les tiroirs.

DA50 INSTALLATION

1. Prior to installing the Sled for your DA50 application, ensure that the unit is not receiving power.
2. Disconnect and remove your DA50 from the DIN rail.
3. Remove the DA50 unit's front cap by squeezing the sides and pulling.
4. Slide out the sled holder.
5. Install a sled into the sled holder and hand tighten the captive fasteners, or use a screwdriver.
6. Re-install the sled holder containing the sled into the Converter. Make sure it is fully seated.
7. Replace the front cap.

DA70 INSTALLATION

1. Prior to installing the Sled(s) for your DA70 Controller application, ensure that the Controller is not receiving power.
2. Remove the carriage from the Controller case by releasing the two retaining latches and pulling straight out from Controller
3. Remove blank panel from the carriage slot of the target sled installation location.
4. Install sled by aligning the two sled mounting hole fasteners, with the controller mounting posts. Be sure locating holes on bottom side of sled align with the locating pins on the carriage, and the sled sits flush against the carriage.
5. Hand tighten the sled captive fasteners, or use a screwdriver if necessary.
6. Repeat the above steps for any additional sleds.
7. Carefully align the carriage with the Controller base and press carriage into the controller.

⚠	**CAUTION:** Failure to properly align the carriage can result in damage to the Sled connector pins. **ATTENTION:** Si le tiroir n'est pas correctement aligné, les broches du connecteur du tiroir risquent d'être endommagées.

8. Close the retaining latches to ensure the carriage is fully seated into the Controller case.

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CONFIGURING THE USB SLED

DA50N CONFIGURATION

When using the USB Sled in your installation, configuration and access to a connected device can be accomplished through the Linux command line. Mass storage devices may be mounted to a directory of your choosing via the "mount" command.

DA50D or DA70D CONFIGURATION

The USB Host Sled is configured using Crimson 3.1 (or later) software. After selecting the USB Host Sled, configure the Memory Stick or Keyboard properties in the USB Host Ports section. Find additional information in the Crimson 3.1 User Manual.

SLED LED

The Sled LED provides status for both Sled power as well as USB port power. This LED will light up Green once a USB device is plugged into the port and power has been applied to it.

RED LION CONTROLS TECHNICAL SUPPORT

If for any reason you have trouble operating, connecting, or simply have questions concerning your new DA USB sled, contact Red Lion's technical support.

Support: support.redlion.net
Website: www.redlion.net
Inside US: +1 (877) 432-9908
Outside US: +1 (717) 767-6511

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