



WAVE ID[®] Plus Mini Legic Reader MD30L00



This document provides the following information:

- I. Connector Options
- II. Installing the Configuration Utility Software
- III. Reader Setup
- IV. Configuring the Reader
- V. Troubleshooting



*Wave ID ® Plus Mini
Legic Reader*

Congratulations on the purchase of your Wave ID® or Wave ID® Plus reader!

Configuration of rf IDEAS readers is easy. With our “plug and play” design, you will be able to quickly take advantage of a more secure environment in your business, school, or organization.

rf IDEAS products are an integral part of a variety of solutions in every market such as healthcare, manufacturing, government, enterprise and other markets. The number of applications is ever-increasing and we maintain a strong relationship with our robust list of software partners and resellers which are readily found on our website.

Please contact our Sales department if you have any questions or are interested in our OEM and Independent Developers programs.

For more details about our product line, please visit www.rfIDEAS.com/knowledge-center or follow the Support > Learning Center link for more details about our various products.

Thank you,

The rf IDEAS team

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1. Connector Options

There are two connector options available with the reader for data input and output.

Connector Type	Output Data Type
USB 	USB Keystroke SDK Virtual Com Port: ASCII or SDK
DB9 	ASCII SDK



The product you have purchased may need to be configured before use.

The configuration software and support documents can be downloaded from our product support page at:
<http://www.rfideas.com/support/product-support>

The configuration section details the steps necessary to install the configuration utility software and update the configuration to meet your requirements.

2. Installing the Configuration Utility Software

To install the configuration utility software, complete the following steps:

1. Verify the system meets the following minimum requirements:
 - Hardware — Pentium class PC
 - Memory — 32 MBRAM
 - Disk — 25 MB hard disk space
 - I/O — 1 available DB9 or USB port, dependent upon the connector
 - Operating System – Any operating system that supports a USB keyboard including Microsoft Windows XP®, 7®, 8®, 10® and Linux. Can be used for keystroke applications.
2. Install the pcProx Configuration Utility from the following Web page:
<http://www.rfIDEAS.com/Software/pcProxConfig/>

3. Reader Setup

To set up the reader:

3. Plug the connector into the workstation's (or available on any peripheral) open RS-232, USB, or Ethernet plug.
4. Place the device next to the monitor, beside the workstation, or where appropriate.
5. The workstation should detect new hardware for USB connections. Verify the workstation recognizes this connection using Device Manager.

4. Configuring the Reader

To configure the Reader for operation, complete the following steps:

6. Start the pcProx Configuration Utility software.
7. Plug the reader into the workstation's USB port.
 - a. If the reader has a USB connector, verify the workstation detected the connection automatically using Windows Device Manager.
8. If your reader requires a custom configuration, refer to the pcProx Plus/pcProx Enroll Manual for detailed information on the configuring the reader. The manual is available at www.rfIDEAS.com > **Support** > **Product Manuals**.
9. After the configuration settings are correctly configured and written/saved to the device, unplug the reader.

The reader is now ready for use.

Troubleshooting

If the device is not working or the following error message is displayed:

10. Check to be sure the device is connected to the USB port. When the workstation is on and no card is being read, the LED is red. A valid proximity card causes the LED to turn green, provided the configuration is not set to only read certain bit lengths.
11. Verify the correct model and the software configuration screen agrees with the device attached.
12. Verify the port agrees with the workstation connector.
13. If the device still does not work, disconnect it, remove 'General USB Device' using Windows 'Control Panel' a 'Add/Remove' Hardware. Then reboot the workstation. When the workstation boots up, re-attach the device USB and the OS should re-install the Windows driver automatically.



If the device does not read the card, contact the card manufacturer/vendor to verify that the card type is compatible with the device model.



Reader



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FCC ID: M9MMD30L00 (Multi-protocol USB Card Reader)

"Pursuant to FCC 15.21 of the FCC rules, changes not expressly approved by rf IDEAS might cause harmful interference and void the FCC authorization to operate this product.

Note: This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). 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. This product complies with FCC OET Bulletin 65 radiation exposure limits set forth for an uncontrolled environment.

The reader may not recognize value cards in the presence of high RF fields. If the current reading is erratic, the user shall take the following step: Move the equipment from any known transmitters nearby. For more information contact Tech Support at (866) 439-4884 or TechSupport@rfIDEAS.com.

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.

ISED French Compliance Statement

IC: 6571A-MD30L00 (Multi-protocol USB Card Reader)

"Conformément à la FCC 15.21 de la réglementation FCC, les changements ne sont pas expressément approuvés par les idées RF peuvent causer des interférences nuisibles et annuler l'autorisation FCC d'utiliser ce produit.

Note: Cet appareil est conforme à la Partie 15 des règlements de la FCC et d'Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) Ce dispositif ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable. Ce produit est conforme aux normes FCC OET Bulletin 65 l'exposition aux rayonnements limites définies pour un environnement non contrôlé.

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- Réorienter ou déplacer l'antenne de réception.
- Augmenter la séparation entre l'équipement et le récepteur.
- Connectez l'équipement dans une prise sur un circuit différent de celui auquel le récepteur est connecté.
- Consultez le concessionnaire ou un technicien radio/TV expérimenté pour obtenir de l'aide.



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