ASR-P30U

AsReader®

User Manual

Thank you for using AsReader (ASR-P30U), a DESKTOP-type RFID device which can read/write by using UHF-band radio waves.
This manual contains important safety instructions for using the AsReader (ASR-P30U). Please read the manual carefully and keep it as long as you have the device.
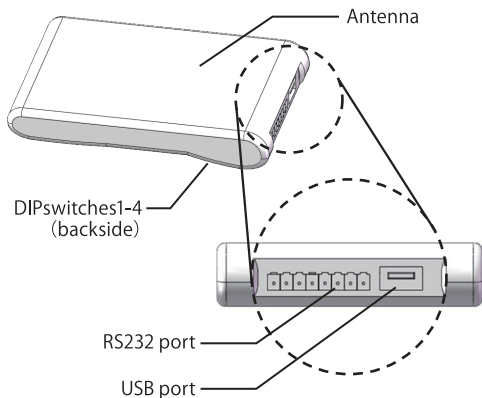
※ We may refer to the AsReader (ASR-P30U) as "the device"or "this device" in some sections of this manual.

Inside the Box

The following items are contained in the box. Please first make sure you have all of these items. In case that any items are missing, please contact the company from whom you purchased the device.

● AsReader ASR-P30U ·····················1pc
● USB cable ·····················1pc
● User manual (this paper) ·····················1pc

Parts of AsReader

Antenna

DIPswitches1-4
（backside）

RS232 port

USB port

Safety instructions

Please read the following instructions carefully to prevent any damage to the device.

⚠ Warning

In order to prevent damage or malfunctions, please do NOT try to disassemble, modify or repair the device by yourself. Doing so will void the warranty.

This device may affect the operation of some medical devices depending on the use environment. In order to reduce this possibility, please strictly observe the following when using the device:
1. For users of this device:
   Keep at least a 22 cm distance from implanted medical devices.
2. For people with implanted medical devices:
   Keep at least 22 cm distance from this device.
3. Use of this device may result in violation of local laws or regulations in some foreign countries. Please contact us before using the device overseas.

Stop using the device if you find any smoke or abnormal smells emanating from the device.

Do not drop, throw or strike the device. Do not expose this device to fire, high temperatures or water. If you notice damage to the device, stop using it immediately.

Do not use the device when it is wet, as this may result in electrical shocks, short-circuiting, fire or burns. Do not use the device in wet area such as the bathroom, shower or kitchen.

Do not put this device on high temperature surfaces, such as car hoods or dashboards.

⚠ Caution

Please refer to local regulations when you recycle this device.

Please contact your local purchasing source immediately if any abnormal incidents occur.

This device may malfunction if it is affected by noise. Please do not use this device in an overly noisy environment.

Installation

Please observe the following when installing AsReader (ASR-P30U):
・Avoid installing the AsReader in a moving or vibrating location.
・There are no particular restrictions on the orientation of the case during installation. However, due to the risk of fall damage if you install it on an incline, please install the device on a level surface.
・The AsReader (ASR-P30U) devices can be used side by side without problems. However, when the reading surfaces are face to face, tag reading issues may arise. Therefore, please make sure to keep the reading areas of the devices separated from one another.
・If metal (e.g. metal loops, frames etc.) is present near the reading surface, the reading performance may be affected.

Start-up

This product has no power switch. By connecting the device to a PC or other USB port using the USB cable provided, it will start up automatically.

Reading mode

This product has two reading modes: HID and serial communication. If you turn the DIP switch on the back ON and connect the device via USB, you will start up in HID mode. If you turn the DIP switch OFF, you will start up in serial communication mode.
For more information on both modes, please check the AsReader Developer Information Website.

Scanning

The operation differs per reading mode.
・HID mode: By just holding the tag over the antenna, the tag's information is entered into the PC as text.
・Serial communication mode: Tags are read when a "read" command is sent from an application on the PC (Windows only).

Writing / Change Settings

Writing to RF tags and changing settings such as reading distance and session etc. are only possible in serial communication mode. Since a special application is required for this, please contact your purchasing source or check the AsReader Developer Information Website.

Maintenance

Please keep the device clean. If dirty, wipe with a dry, soft cloth. Using solvents of high-volatility may cause color changes and performance problems.

Failure

If you experience any failure of this device, please contact your purchasing source.

Cannot connect to PC

Possible PC problems may prevent it from recognising the device. In this case, please try rebooting the AsReader by either turning your PC off or by unplugging and replugging the AsReader USB cable. If you are using a USB hub, AsReader may not be recognised depending on the model of the USB hub. Also, if AsReader is connected to a USB hub etc. in parallel with other USB devices, communication between PC and AsReader may be impaired.

Cannot scan

If you cannot scan, please check the following:
・Is the reading mode (HID/serial communication) correctly set?
・Is the USB cable properly connected?
・Are the tag-reading settings of the device properly configured?

FCC Statement

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. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Supported Environment

HID Mode:
Mac OS/Windows/Other HID-compatible equipment
Serial communication mode:
Windows 7 and up
(as of May 1st, 2017)
We will continue to announce changes in the supported environment on our website.

＜AsReader Product Information URL＞
https://AsReader.com

● Warranty is 1 year from date of purchase.
● Make sure to retain documents or receipts that can prove the date of purchase.
● Design and specifications are subject to change without notification.