



**D10G1.1 iMan Readers Manager Manual**

**January 2013**



*This documentation applies to the product iMan manufactured by BioControl, Norway.*

*Documentation version 1.1 completely replaces previous versions.*

*Modifications since last documentation version:*

- *none – version 1.0*
- *version 1.0 - version 1.1*
  - a) small additions*
  - b) new screenshots*
  - c) new chapter "Upgrading software"*

**Note:**

All information in this document describes product and details 'as is'. BioControl cannot be held liable for (consequences of) incorrect or missing information in this document.

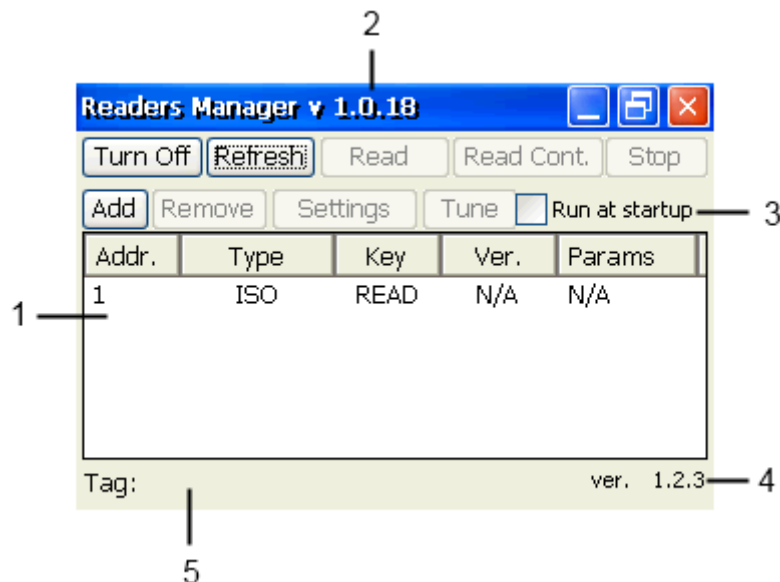
Check our website for latest version of this document and information on this product.

## 1. Initial MiniReader configuration

- 1) Open Readers Manager application using the link on the iMan Menu:



- 2) When application starts, it should automatically turn on RFID driver. When it's done you will see single, predefined reader record which represents reader with address 1:

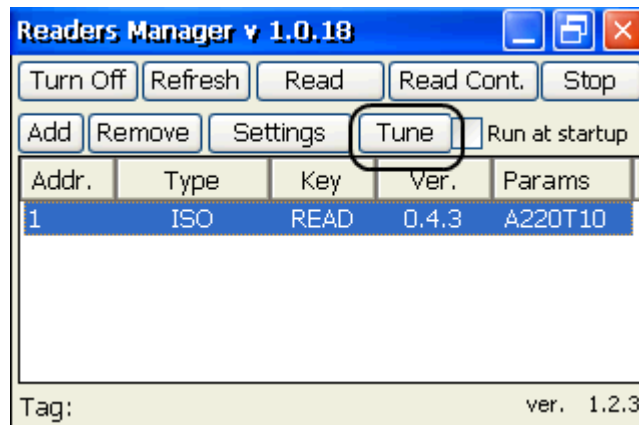


1. Shows configured readers
2. Version of Readers Manager software
3. Gives a possibility to start readers driver at sturtup
4. Driver version
5. Tag field displays the identified number to check a performance

- 3) When there are no readers connected when application starts, you will see "N/A" (**Not Available**) value in **Ver.** (Version) and **Params** columns. After connecting MiniReader click on **Refresh** button and if you connected reader with address which is on the list, version and tuning info (Params) columns should fill in:



- 4) MiniReader tunes automatically when connected to an iMan device. To tune reader manually, select its record on list and then click on **Tune** button:

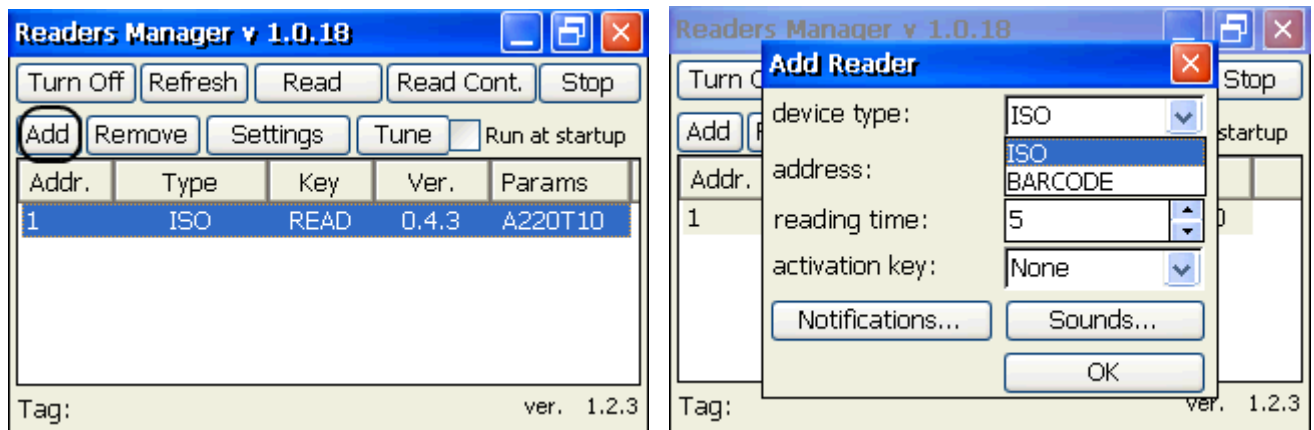


**Note:** before tuning (i.e. when there is "A0T0" in **Params** column) you may have problems with reading tags.

## 2. Adding new reader

Readers Manager can manage multiple reader/barcode records (single reader can even have multiple records and so configuration pre-sets).

To add new reader or barcode record click on **Add** button:



In *Add Reader* window that will show up you can set various reader parameters. You can select device type:

ISO for Minireaders (default address is 1)

BARCODE for Barcode scanner (default address is 176)

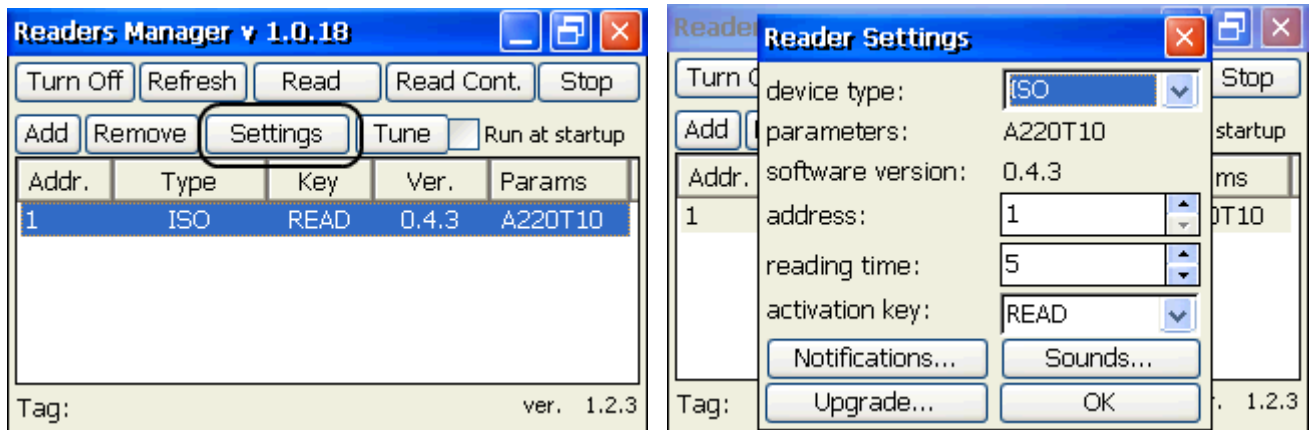
The most important is reader address (represented as decimal number) which identifies connected MiniReader.

After clicking on **OK** button, new reader will be shown in the readers list.

**Note:** When new reader is added you can still change its configuration. To know how, see next section.

### 3. Reader configuration

To check or change reader settings, select reader's record on the list and then click on **Settings** button.

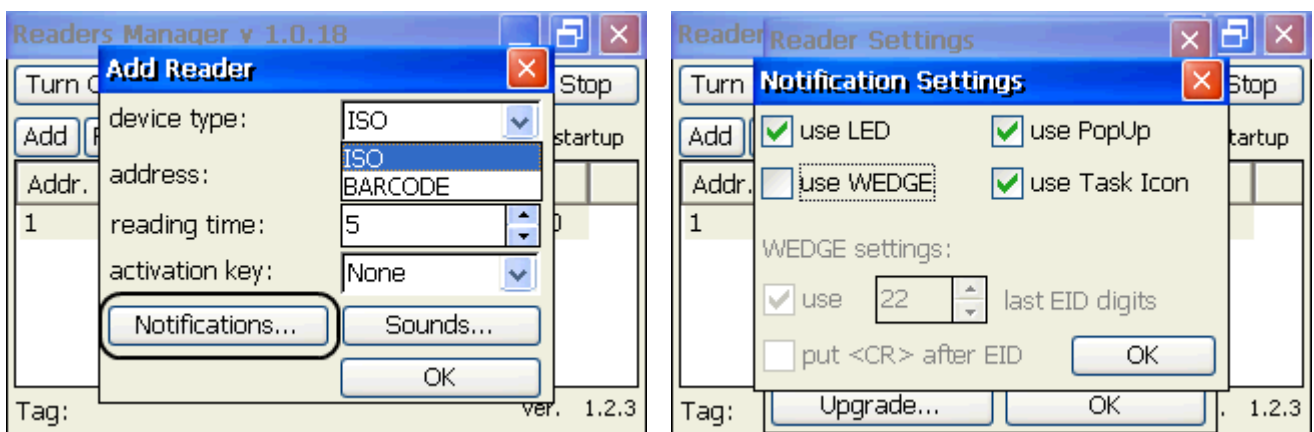


*Reader Setting* window that show up will contain reader properties – the same you have seen in *Add Reader* window (in section 2 of this manual).

### 4. Notification configuration

Each reader can use different notification settings. RFID driver supports LED, PopUp, sound and task icon notifications.

To see notification settings, go to reader settings and click on **Notifications...** button.



In *Notification Settings* window you can choose which of following notifications should be used:

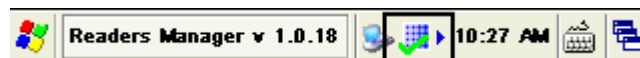
- **use LED** – driver will flash front LED to indicate reading status.



- **use PopUp** – when reading starts, popup window with current reading status will show up on iMan screen.

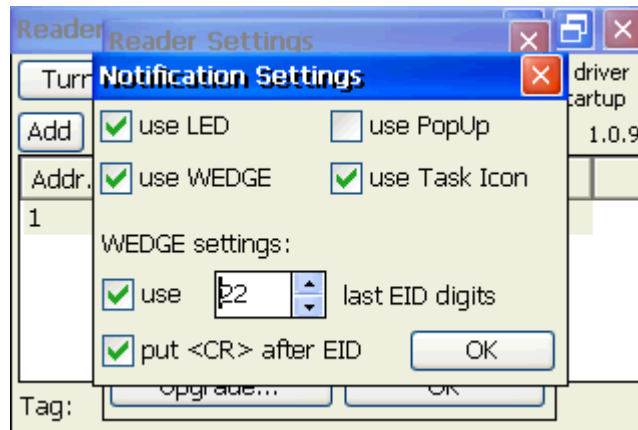


- **use Task Icon** – status will be represented by small icon in taskbar area. This icon will be visible anytime (even when there is no reading).



## 5. WEDGE settings

RFID driver is able to use WEDGE to simulate keyboard input of read tags. You can turn on WEDGE settings by checking **use WEDGE** checkbox in Notification Settings window (from previous section):



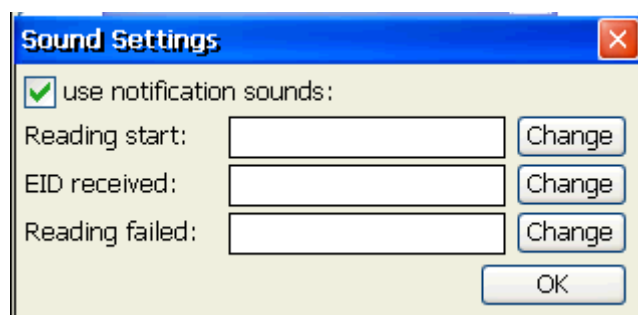
There are additional settings associated with WEDGE use:

- **use N last EID digits** - can be used to trim N most significant digits from tag number.
- **put <CR> after EID** – causes driver to attach Carriage Return (commonly known as Return/Enter key) sequence after each read tag.

## 6. Sound notifications settings

Beside visual notifications, driver is able to play different sounds according to current reading status.

To enable and change sounds go to *Reader Settings* window and click on **Sounds...** button.



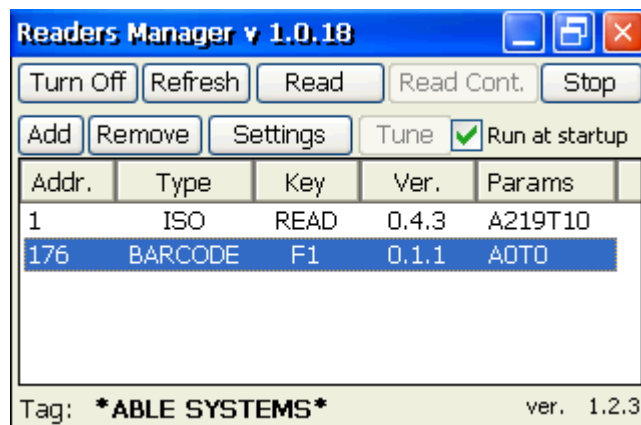


Here you can enable sounds (by checking **use notification sounds**) and choose which sounds (files) will be played on which action.

**Note:** when there is no sound file specified for action but sounds are enabled, standard system sound is played.

## 7. Reading tags

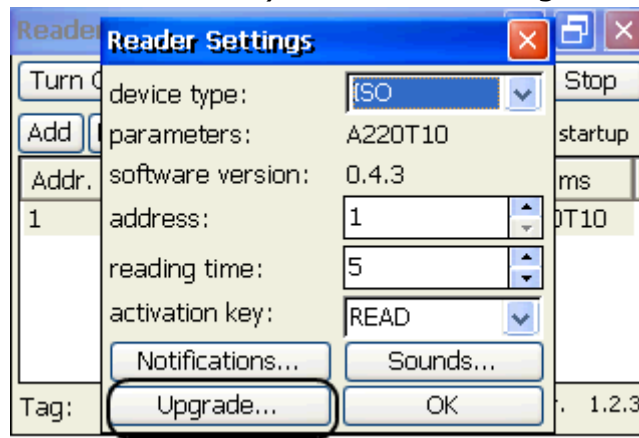
When MiniReader or Barcode is configured you can test it by selecting reader's record and clicking on either **Read** button or configured **Key**. If there is a tag in range, its number will be displayed in bottom part of the window:



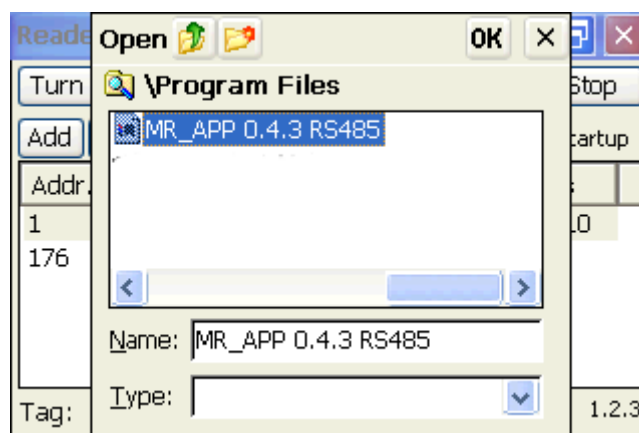
## 8. Upgrading software

To upgrade the software of Minireader or Barcode scanner:

- Download the latest software from:  
<http://www.biocontrol.no/index.php?root=comm&branch=iman&leaf=soft>
- Unzip the file
- Copy the \*.hex file into the iMan
- Select record (ISO or BARCODE) and click Settings -> Upgrade...



- Select the \*.hex file and click OK



- You will see hourglass and Upgrade successful window appear.

