



**MODEL NUMBER:** IXP960-1-0-GB-XX

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# IXP110 SOFTWARE

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## QUICK START GUIDE

### Scope of Document

This document describes how to set-up, configure, and use IXP110 Software V1.40. If you have a more recent version of the IXP110 Software, contact your Impro dealer for an updated manual, or download one from [www.impro.net](http://www.impro.net).

### Document Conventions

We use the following conventions in this document:



*Note – points out extra information*



*Tip – points out alternative methods to perform a task*



*Important – points out important information*



***Warning – points out potential danger to you or the product***

### Before You Begin

Have the following available:

- The IXP110 Software CD
- A connection to the IXP110 Controller – refer to the IXP110 Controller Hardware Installation Manual for details.

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## Where to Find Information

Additional information is available in the following resources:

- **IXP110 Software Help**—part of the **IXP110 Software**. Help provides detailed information on all aspects of the IXP110 System.
- **IXP110 Controller Product Specification Catalogue**—available at [www.impro.net](http://www.impro.net) (Part Number: **IXP354-0-0-GB-XX**).
- **IXP110 Controller User Manual**—available at [www.impro.net](http://www.impro.net) (Part Number: **IXP342-0-0-GB-XX**).
- **IXP110 Controller Hardware Installation Manual**—available at [www.impro.net](http://www.impro.net) (Part Number: **IXP343-0-0-GB-XX**).

## Access Control Specific Terminology

Anti-passback (APB) Override .....	A Tag is not subject to Anti-passback (APB) restrictions.
Anti-passback (APB) Relaxed.....	Successive Tag entry is NOT allowed.
Anti-passback (APB) Strict.....	Successive Tag access in the same direction is prevented.
APB .....	Anti-passback.
Blacklisted Tag .....	A Tag which is prevented from being read by the System after successive incorrect PIN-code entries.
PAC-code .....	Personal Access Code.
Present a Tag .....	Pass or hold a Tag close to the Front Cover of the Antenna Reader.
Pulse.....	A brief transition from rest state to the alternate state and back to the rest state. For example, High to Low to High or Low to High to Low.
Time Pattern .....	Entry control periods.
Tag Presentation Timeout Period .	The period within which a Tag must be presented after being prompted by the System.

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Toggle.....	A transition from one state to the alternate state. For example, High to Low or Low to High.
Transaction .....	Record of a Tag presentation or other event.
Transaction Buffer .....	Storage of Transactions in the Controller.
Valid Tag.....	A Tag entered into the Systems database, NOT black-listed.

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# Installation

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## PC Requirements

Make sure your PC meets the following minimum requirements:

Component	Minimum Requirement
Processor	Pentium II, 600 MHz
RAM	256 Mb
Hard Disk	1 Gb available space
Graphics	1 024 x 768
Ports	USB, RS232, or Ethernet
Removable Storage	CD-ROM Drive
Operating System	Microsoft Windows 2000, or XP Professional

## Software Installation

Install the IXP110 Software as follows:

1. Insert the IXP110 CD into your PC's CD-ROM drive.
2. Open **My Computer**.
3. Right-click the **CD-ROM** drive icon.
4. Select **Install** from the menu and follow the onscreen instructions.

## Initialize the Software



*Before starting the IXP110 Software, ensure that the IXP110 Controller is connected to the Host PC.*

1. In Windows®, choose **Start>Programs>IXP110>IXP110**.
2. Enter your **Username** and **Password**.
3. The Application displays.



*The default Username is: **SYSDBA**. The default Password is: **masterkey**.*



*If no Controllers detected, you will receive a **Comms Error** dialog.*

## Configure Comms

If no Controller is detected during start-up, the Comms Error dialog box displays. The following options let you manually locate the Controller, or work off-line:

### **RS232 – select for the RS232 (Serial) or USB Controller**

1. Select the **RS232** option.
2. Select the COM port that the IXP110 Controller is connected to from the **COM** drop-down list.
3. Click **Retry**.

### **Ethernet – select for the Ethernet Controller**

1. Select the **Ethernet** option.
2. Enter IXP110 Controller's **IP Address** and the **Port** that the Controller is connected to.
3. Click **Retry**.

### **Off-line Mode – select if the Controller is disconnected**

Click the **Work Offline** button if the Controller is disconnected from the Host PC. Refer to page **12** for more information.

# Understand the Interface

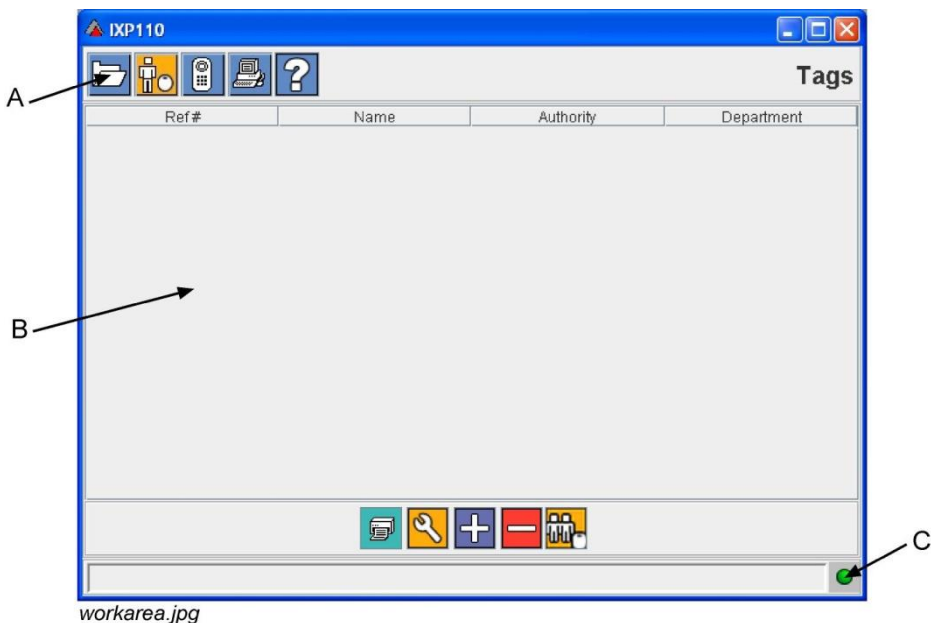



Figure 1: Work Area

**A – Toolbar**, displays icon shortcuts. **B – Task pane**, displays the selected task. **C – Active connection to Controller**, green light is active; red light is inactive.

## Using Help


The IXP110 Software has integrated **Help**. Information not covered in the guide is covered in Help. Do the following to activate Help:

- On the Toolbar, click the  button.

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# Configure the Controller

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Click the  Button to access the **Controller** screen.

## Door Mode

Select one of the following options:

- **Intrusion** – Controller triggers an external alarm system or siren via a relay if the Door Open circuit activates, while the Systems armed.
- **Alarm** – keypad Antenna Reader can be used to arm a third-party alarm system. The alarm relay is used to generate an “Arm” signal for the third-party alarm system.

## Intrusion Mode

If Intrusion mode is selected, set the following options:

- **Door Open Delay** – the maximum time allowed between access being granted, and the door physically being opened. If the door is not opened within this time, a “Door Not Opened” alarm generates.
- **Door Open Time** – the time that the door must be open for, after access is granted, before an intrusion alarm generates.

## Alarm Mode

To use the Controller in Alarm mode, select one of the following options:

- **Toggled** – The third party alarm panel requires a toggled input signal. The “Arm” input to the alarm panel is toggled.
- **Pulsed** – The third party alarm panel requires a pulsed input signal. A pulse is generated on the “Arm” input to the alarm panel.

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## General

### In Intrusion Mode

Set the **Alarm Drive Time** – the time that the alarm siren sounds for when it is activated. Enter time in 0.1s. For example, 30 = 3s.

### In Alarm Mode

If you select the Pulsed option – the **Alarm Drive Time** determines the length of the pulse on the “Arm” input to the third-party alarm panel.


## Latch Settings

Select one of the following options:


- Toggled - if the latch requires a toggled input signal.
- Pulsed - if the latch requires a pulsed input signal.

Set the **Latch Drive Time** - the time that the Latch remains open. Enter time in 0.1s. For example, 30 = 3s.



Click the  button to restore the default factory settings to the Controller.


## Help

For help on options in the **General** pane of the **Settings** screen, refer to the on-line Help, activated by clicking on the  button.



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# Add Tags and Tagholders

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Click the  button to access the Tagholder screen.

## Add a Tagholder

1. Click the  button. The **Add Tag** window displays.
2. Enter the Tagholder's **Name**.
3. Select a **Tagholder Type**.
4. Do one of the following in the Access Code panel:
  - Read a Tag via the Antenna Reader.
  - Enter the **Tag Code** manually into the **Access** textbox.
  - Enter the **PAC Code** into the **Access** textbox.
5. Click the  button to save.



## Advanced Settings

If required, select the following additional Tagholder settings:

1. Department
2. Alarm Authority
3. Access Requires (additional access requirements)
4. Click the  button to save.

## Add Multiple Tagholders

To add many Tagholders at a time:

1. On the **Tags** screen, click the  button.
2. Present tags to the Antenna Reader.
3. Click  to stop Batch Enrolment.





*Batch Enrollment stops automatically after 1 minute without Tag presentations.*




*Edit Tagholder information later by double-clicking the Tag number.*

## Edit a Tagholder

1. Double-click a Tagholder on the **Tags** screen to edit them. Alternatively, select the Tagholder and click the  button.
2. Edit the Tagholder settings as required.
3. Click the  button to save.

## Delete a Tagholder

1. On the **Tags** screen select a Tagholder.
2. Click the  button.
3. Click **Yes** to confirm the deletion.




*Deleting a Tagholder removes their settings permanently. If you wish to restore their settings you will have to **Add** them again.*

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# View Transactions

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Click the  button to access the **Transaction Viewer** screen.

Transactions are displayed in rows across the screen. Recent transactions are displayed at the top followed by earlier transactions.

## View Tagholder Picture

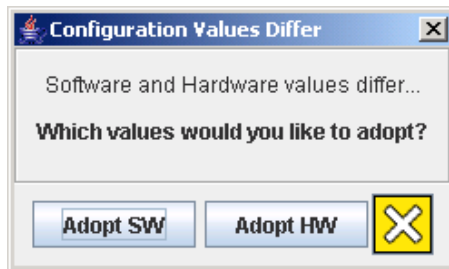
To view a particular Tagholder's picture, select the **Image** checkbox at the bottom of the transaction screen. A picture of the most recent Tagholder to generate a Transaction is displayed in a small pop-up window.

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# Working Off-line

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Off-line Mode enables you to configure Controller settings and Tagholder data when disconnected from the Controller. Changes made in Offline mode are uploaded to the Controller the next time the Software detects a valid connection during start-up. The **Configuration Values Differ** dialog box prompts you to choose one of the following options:



**Figure 2: Configuration Values Differ Dialog**

- **Adopt SW** - copies the values in the Software database to the Controller's memory. Use this option if you recently added new information while in Off-line Mode.
- **Adopt HW** - copies the values in the Controller's memory to the Software database. Use this option if the Controller has been programmed manually via its keypad Antenna Reader.

The **Merge databases** window displays progress.

If Tag differences are detected, the **Tags differ** dialog prompts you adopt Tags from Software to the Controller, or from the Controller to the Software.

- Click **Adopt** to move one Tag at a time.
- Click **Adopt All** to move all Tags at once.

**Figure 3: Tags Differ Dialog**



*If you click a button in the **PC TAG SETTINGS** panel, Tags from the Software are copied to the Controller. Conversely, if you click a button in the **UNIT TAG SETTINGS** panel, Tags from the Controller are copied to the Software.*

## USER NOTES

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This manual is applicable to the IXP110 Software Suite V1.40 (upwards), IXP960-1-0-GB-03. (The last two digits of the Impro stock code indicate the issue status of the product).

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