

Harmony

Harmony XB5SSoft

User Manual

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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.

Failure to observe this information can result in injury or equipment damage.

Schneider Electric hereby informs the users of the **Harmony XB5S** product that they are responsible for the fulfillment, with the competent local authority regarding data privacy protection, of any formalities which could be required in relation with the use of a biometric product.

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Safety Information



Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a Danger safety label indicates that an electrical hazard exists, which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **will result in** death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, **can result in** death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **can result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Book



At a Glance

Document Scope

This document describes the functions of Harmony XB5SSoft that are used for the management of XB5S device databases.

Validity Note

This document is valid for Harmony XB5SSoft V1.1.

Chapter 1

Overview of Harmony XB5SSoft

Introduction

Generalities

You can use Harmony XB5SSoft to manage all your USB biometric switches (XB5S devices) from 1 PC by downloading (storing) a user database to each XB5S device in your park. You can also erase (reset) all information in an XB5S device.

Harmony XB5SSoft manages 2 databases:

- administrators
- users

To find the latest version of Harmony XB5SSoft, go to www.schneider-electric.com. Then search on "XB5S".

The following operating systems are supported by Harmony XB5SSoft

- Microsoft Windows XP Business Edition (from Win XP SP3)
- Microsoft Windows 7 32 bits
- Microsoft Windows 7 64 bits

Be sure to save Harmony XB5SSoft so that you do not lose updated databases in case of a problem with your PC.

To use the links to another page in this document, click the page number, not "see page". For example, to go to **Menus** on the next page (*see page 10*).

Administrators

The administrators authorize:

- storing of a user database in an XB5S device
- enrollment of new administrators
- deletion of administrators
- resetting an XB5S device by storing a blank database in it
- detaching an XB5S device from a user database (if, for example, it is to be replaced by another XB5S device)
- deleting an XB5S device from a user database

NOTE: There is no priority among the administrators. However, if there remains only one administrator enrolled, this administrator cannot be deleted.

The administrator database contains, for each enrolled administrator, the following information:

- **Name**
- 1 or 2 fingerprints (**Finger 1, Finger 2**)

NOTE: The complete fingerprint is not recorded. The fingerprint data cannot reproduce a fingerprint that can be used for identification.

- date of enrollment (**Date of record**)
- name of the administrator who enrolled this administrator (**Recorded by**)

Users

The users are authorized to operate equipment controlled by an XB5S device using their fingerprints.

The user database contains, for each enrolled user, the following information:

- **Name**
- identification number (**ID**)
- **Comments**, for user-specific information, such as:
 - the team the user belongs to
 - the type of license or authorization the user is entitled to
 - any type of information that can help classify user authorizations for each XB5S device
- 1 or 2 fingerprints (**Finger 1, Finger 2**)

NOTE: The complete fingerprint is not recorded. The fingerprint data cannot reproduce a fingerprint that can be used for identification.

- date of enrollment (**Date of record**)

The user database is a matrix based on the relationship between the users and an XB5S device.

Here is an example of a user matrix:

Users List	XB5S Device (Allocations List)			
	Main Gate	Office Door	Forklift	Station 2
Tom	x	x		x
Richard	x	x	x	
Harry	x	x		
Peter	x	x	x	x

NOTE: The actual Harmony XB5SSoft screen shows the user lines and XB5S device columns in 2 parallel lists.

Menus

The tasks explained in this document use the icons (including “+”/“-”) and the right-click contextual menus to access functions. However, all these functions are also available in the menus.

MorphoSmart Device

The MorphoSmart™ device (a fingerprint reader only device) connects to the PC running Harmony XB5SSoft via a USB port.

For example, it allows you to record fingerprints in your office instead going to an XB5S device located away from your office.

The MorphoSmart device does not need an external power supply; it is powered through the USB connection.

Vijeo Designer

You can exchange (import or export *(see page 29)*) users with Vijeo Designer, the Schneider Electric HMI configuration Software.

Chapter 2

Configuration at First Launch

Configuration at First Launch

First Launch

The first time you use Harmony XB5SSoft the **First launch configuration** dialog opens.

This dialog asks for:

- an optional password for startup protection (to make opening Harmony XB5SSoft require a password)
- database file path

By default, the administrator and user databases are saved in *My Documents/Schneider Electric/HarmonyXB5SSoft/Database*. They are recorded in a single file "database.xml". This file is encrypted to avoid malevolent use.

After attaching an XB5S device to a Harmony XB5SSoft, the device is exclusively linked to this database. No other database can be used to program it. However, this unique database can be recorded on a server to allow several administrators to access it from different PCs.

To unlink the XB5S device from this database, you can either detach (*see page 18*), reset (*see page 37*), or delete (*see page 34*) it.

NOTE: You can locate your database in a shared area (a server) accessible by several PCs through a network. In this case, contact your network administrator to prevent multiple opening of the database. Only one software user can access to the database at a time.

NOTE: The network administrator must also give to Harmony XB5SSoft users Windows read and write authorizations for the database.xml file. Non-users must not have access to this database.

- the import/export file path
By default, the imported and exported files are saved in *My Documents/Schneider Electric/HarmonyXB5SSoft/Export_Import*.
- language to be used in the screens (to use the new language restart Harmony XB5SSoft).

After you close the **First launch configuration** dialog, a blank user database opens.

Then after connecting the XB5S device to the PC, the **Connection of a new device** dialog opens allowing you to connect (*see page 17*) an XB5S device to Harmony XB5SSoft.

Later Configuration

Any time after the first launch, these parameters can be reconfigured by using the menu command **Tools → Configuration**. However, the **Connection of a new device** dialog does not automatically open after you close the **Configuration** dialog.

Chapter 3

Reset, Detach, and Column Deletion

Reset, Detach, and Column Deletion

Introduction

These functions are used to manage an XB5S device depending on your needs.

Reset Function

The reset XB5S device function allows erasing the memory in the device while keeping it attached to the database.

Detach function

The detach XB5S device function allows detaching and resetting an XB5S device while keeping its **Allocations** configuration in the database.

The function is the best to use when you need to replace an XB5S device by a new one. This is because it keeps the **Allocations** configuration of the original XB5S device. By attaching the new XB5S device to the column of the original device, the new device (after a store *(see page 37)* operation) has exactly the same configuration as the old device.

Delete an Attached Column

Deleting a column attached to a targeted XB5S device is the best way to remove an XB5S device from service in your equipment if you no longer need to program the device.

Chapter 4

Connecting and Detaching Devices

Connecting and Detaching Devices

Adding an XB5S Device

The procedure below adds an XB5S device to a Harmony XB5SSoft database. The XB5S device is then usable exclusively with this database.

To unlink it, you can either detach (*see page 34*), reset (*see page 37*), or delete (*see page 34*) it from Harmony XB5SSoft.

Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or MorphoSmart device to be connected to the PC.

To add an XB5S device to a Harmony XB5SSoft:

Step	Action	Online/Offline?
1	Connect the XB5S device to a USB port on your PC. Result: The Connection of a new device dialog opens.	Online
2	Click Use it as a Harmony XB5S device .	Online
3	Click Next . Result: The Attachment of the connected XB5S to the allocation database dialog opens.	Online
4	If you click Add a column in the database and attach this XB5S to it , Add a column opens. Go to step 5. If you click Attach this XB5S to a column of the database , Attachment to a column of the database opens. Go to step 9.	Online
5	Click Next . Result: The Add a column dialog opens.	Online
6	In Designation type a unique name for this XB5S device and any necessary Comments .	Online
7	Click Next . Result: The New XB5S created! dialog opens.	Online
8	Click Finish . Result: There is now an empty column in Allocations for the connected XB5S device. The procedure is finished here for adding a new column.	Online

Step	Action	Online/ Offline?
9	If you previously selected Attachment of the connected XB5S to the allocation database in Step 4, choose a column in the dropdown list. Result: The message XB5S attached! .	Online

Detach XB5S Device for Replacement

A connected XB5S device is identified as being uniquely linked to a database. It cannot be programmed by another database.

Use this procedure to detach an XB5S device from its linked database so that it can be attached to another database:

Step	Action	Online/ Offline?
1	Plug in the XB5S device to be detached from the PC.	Online
2	Right click the Allocations column attached to the XB5S device.	Online
3	Select Detach XB5S from column . Result: The Administrator approval dialog opens.	Online
4	Apply a recorded administrator finger to the XB5S device sensor for 2 s. Result: The Detach XB5S from column dialog opens.	Online
5	Click OK . Results: 1. This XB5S device is reset (<i>see page 37</i>) and detached (<i>see page 34</i>) from the database. 2. The message Device successfully detached! appears. NOTE: The user allocations remain in the associated column. This allows attaching a new XB5S device to the column with the same configuration of allocations. For example, replacement of an XB5S device by another one.	Online
6	Click OK . Result: The Connection of a new device dialog opens. NOTE: This dialog opens because the connected XB5S device is no longer recognized by the database. It is now considered as a new connected device.	Online
7	Click Cancel .	Online
8	Unplug the XB5S device from its USB port.	Online

Adding MorphoSmart Device

Use this procedure to add a MorphoSmart device to a Harmony XB5SSoft:

Step	Action	Online/ Offline?
1	Connect the MorphoSmart device to a USB port on your PC. Result: The Connection of a new device dialog opens.	Online
2	Click Use it as a fingerprint reader only .	Online
3	Click Next . Result: The message Reader saved! .	Online
4	Click Finish .	Online

A MorphoSmart device:

- cannot be used to store or reset an XB5S device
- allows new user fingerprint recording

Removing MorphoSmart Device

Use the procedure to remove a MorphoSmart device from a Harmony XB5SSoft:

Step	Action	Online/ Offline?
1	Go to Tools → Reader Devices Result: The Reader devices dialog opens.	Offline
2	Click the reader to be removed.	Offline
3	Click Delete selected devices .	Offline
4	Click OK . Result: The message Reader devices deleted! .	Offline
5	Click OK . Result: If the MorphoSmart device is connected, the Connection of a new device dialog opens.	Offline
6	Click Cancel , otherwise, click Close .	Offline

Device Information

For details about a connected XB5S device, use the menu command **XB5S Device → About XB5S**.

For details about a configured MorphoSmart device, use the menu command **Tools → Reader devices**.

Chapter 5

Managing Administrators

Managing Administrators

Administrator Enrollment

Before using Harmony XB5SSoft there has to be at least one administrator available to carry out the following actions on the connected XB5S device:

- store a user database to it
- reset it
- detach it from the databases
- delete a column


Only an enrolled administrator can add a new administrator.

Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or a MorphoSmart device to be connected to the PC.

Use this procedure to add an administrator to the administrator database:

Step	Action		Online/ Offline
1	Click KEY icon. Result: The Manage Administrators dialog opens.		Offline
2	Click ADD . Result: The ADD Administrator dialog opens. NOTE: You are now in the Online mode.		Online
3	Type the Name and any Comments for the administrator to be added.		Online
4	Record 1 or 2 fingerprints (<i>see page 23</i>) for the new administrator. Result: The administrator is added to the Manage Administrators list.		Online

Managing Administrators

There are additional buttons on the **Manage Administrators** dialog:

Button	Used to ...	Online/Offline
Delete	remove the selected administrator from the list. NOTE: If there is only 1 administrator, it cannot be removed from the list.	Online
Modify	update the comments of the selected administrator.	Offline
Sort	sort the administrator list by the Name, ID, Date of record or Comments column.	Offline

Chapter 6

Recording Fingerprints

Recording Fingerprints

Recording Procedure

To operate equipment controlled by an XB5S device, a user must have 1 or 2 fingerprints recorded in the XB5S device. By recording fingerprints for a user only 1 time in the Harmony XB5SSoft **Users** database (list), you can add the user to as many biometric switches as you want. The user does not need to manually record a fingerprint at each biometric switch.

NOTE: One administrator must have fingerprints recorded before enrolling new administrators.

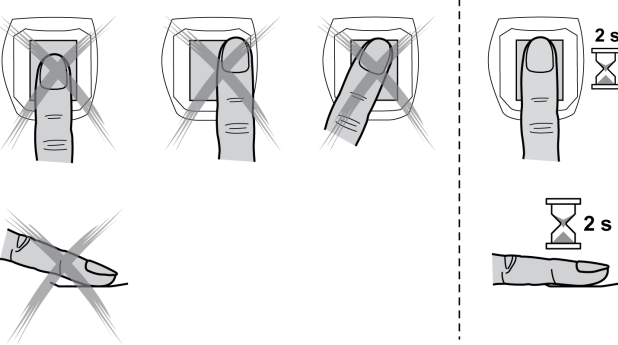
Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or MorphoSmart device to be connected to the PC.

Use this procedure to record a fingerprint in an **Add Administrator** dialog (see Managing Administrators) (*see page 21*) or in an **Add User** dialog (see Managing Users (*see page 26*)):

Step	Action	Online/Offline?
1	Make sure that an XB5S device or MorphoSmart device is connected to Harmony XB5SSoft. NOTE: This procedure can be carried out with any XB5S device or MorphoSmart device, since the records are not saved in the device memory, but in the Harmony XB5SSoft database.	Online
2	Use one of the menu commands: 1. Tools → Manage Administrators → Add Apply an administrator finger to the XB5S device sensor for 2 s. Results: The Add Administrator dialog opens. 2. Users → Add User Results: The Add User dialog opens. NOTE: Administrator approval is not needed to record new users.	Online
3	Enter the requested information above Select 1st finger .	Online
4	Choose the name of the finger to be recorded in the Select 1st finger dropdown menu.	Online

Step	Action	Online/Offline?
5	<p>Click Record 1st finger. Result: The Fingerprint record dialog opens. You have 30 seconds to start recording. If time limit is passed, click Record 1st finger again to start the timer again.</p>	Online
6	<p>Place the finger correctly on the sensor of the XB5S device or MorphoSmart device:</p>  <p>Hold the finger on the sensor about 2 seconds (sensor blink + 1 s) before removing it from the sensor. Result:</p> <ul style="list-style-type: none"> ● If the finger is already in the database, a message opens: The fingerprint is already in the database. Either click Cancel or choose another finger and continue. ● Otherwise, 1st capture in the Fingerprint record dialog changes from In progress to Done. 	Online
7	<p>Repeat step 7. Result: 2nd capture in the Fingerprint record screen changes from In progress to Done.</p>	Online
8	<p>Repeat Step 7. Result: 3rd capture in the Fingerprint record screen changes from In progress to Done. You returned to either: 1. Add Administrator dialog 2. Add User dialog</p>	Online
9	<p>Repeat steps 4 to 9 for Record 2nd finger or click OK to finish recording.</p>	Online
10	<p>Click OK. Result: Either the new administrator appears in the Manage Administrators list or the new user appears in the Users list. The new administrator or user is now recorded in Harmony XB5SSoft database.</p>	Online

Chapter 7

Managing Users

What Is in This Chapter?

This chapter contains the following topics:

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Managing Users

Enrollment Procedure

Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or MorphoSmart device to be connected to the PC.

Use this procedure to add a user to the user database (**User** list):

Step	Action	Online/Offline?
1	Click "+" above the Users list.	Offline
2	Enter the Name , ID , or Comments (if necessary). NOTE: The ID can be letters, numbers, or a mixture.	Offline
3	Record 1 or 2 fingerprints (<i>see page 23</i>) for the new user. Result: The user is added to the Users list.	Online

Deletion Procedure



Use this procedure to remove users from the user database (**Users** list):

Step	Action	Online/Offline?
1	Select the user to delete. NOTE: Use the CTRL key to select several users as targets for the delete operation.	Offline
2	Click "-" above the Users list.	Offline
3	Click OK Result: The user is removed from the Users list.	Online

NOTE: To remove a user from an XB5S device column, refer to Deleting a user (*see page 36*).

User Contextual Menu

If you right-click on a user, a menu with the following items opens:

Item	Used to ...	Online/ Offline?
Modify User	update the user Comments . Also, if not done already, a second finger can be recorded. NOTE: Double-clicking a user also allows modification of a user.	Offline
Replace User	replace the user with a new user that has the same allocations, see <i>Managing Users (see page 26)</i> .	Offline
Delete User	remove the user from the user list (the same as clicking "-" above the Users list).	Offline
Copy	copy the allocations of a user. NOTE: See <i>Copying/Pasting New Users (see page 28)</i> below.	Offline
Paste	paste copied user allocations to another user. NOTE: Use the CTRL key to select several users as targets for the paste operation.	Offline
Import/Export from Vijeo Designer	import users from Vijeo Designer. export a user to Vijeo Designer. NOTE: Use the CTRL key to select several users to be exported.	Online
Sort Users by	sort the user list by the Name, ID, Date of record or Comments column.	Offline
Filter Users	filter the user list to show only users that have the same Name, ID, or Comments . They can also be filtered to show a range of Date of record . When this list is filtered, a small icon appears above Users list:  You can click this icon to directly open the Filter Users dialog.	Offline
Show/hide Users Properties	show or hide any of the Finger 1, Finger 2, Date of record and Comments columns.	Offline
Show/hide Users	show or hide users in the list. When users are hidden, a small icon appears above Users list:  You can click this icon to directly open the Show/hide Users dialog.	Offline

Copying/Pasting New Users

If you have many users to add to XB5S device, you can use certain programs to list the users you want to add.

To use Microsoft EXCEL:

Step	Action	Online/Offline?
1	List the user names in one column, then list their IDs in the next column.	Offline
2	Copy both columns.	Offline
3	In Harmony XB5SSoft open the right-click contextual menu in the Users list and choose Paste . Result: The users are added to the Users list.	Offline
4	Add fingerprints (<i>see page 23</i>) for each user.	Online

To use Microsoft WORD:

Step	Action	Online/Offline?
1	List the user Name on a line.	Offline
2	After the user Name add a TAB.	Offline
3	After the TAB add the user ID .	Offline
4	Repeat steps 1 to 3 for each user on a new line.	Offline
5	Copy all user lines.	Offline
6	In Harmony XB5SSoft open the right-click contextual menu in the Users list and choose Paste . Result: The users are added to the Users list.	Offline
7	Add fingerprints (<i>see page 23</i>) for each user.	Online

Importing and Exporting Users

Importing Users

Use this procedure to import users to the user database (**Users** list) :

Step	Action	Online/ Offline?
1	Ensure that the XB5S device or MorphoSmart device is connected to Harmony XB5SSoft.	Online
2	Right-click Users list. Result: The contextual menu opens.	Online
3	Contextual menu → Import/Export from Vijeo Designer → Import Users Result: The Import users - Select file dialog opens.	Online
4	Change target directory, if necessary, and select the needed file.	Online
5	Click Open . Result: The message User importation successfully ended!	Online

Use this procedure to import users and allocate them directly to a column:

Step	Action	Online/ Offline?
1	Ensure that the XB5S device or MorphoSmart device is connected to Harmony XB5SSoft.	Online
2	Right-click on the targeted column. Result: The contextual menu opens.	Online
3	Contextual menu → Import/Export from Vijeo Designer → Import Users to selected XB5S Result: The Import users - Select file dialog opens.	Online
4	Change target directory, if necessary, and select the needed file.	Online
5	Click Open . Result: The message User importation successfully ended!	Online

Some users in the imported file may not be added if they have conflicts with users already in Harmony XB5SSoft database. For example, if a user to be imported has the same ID or fingerprint as a user already in Harmony XB5SSoft, it is not imported.

If an imported user has some incorrect data, this user data is not imported. However, the rest of the file that is correct is imported.

It is possible to import/export users with no fingerprint recorded in the database, except for direct allocation of imported users to a column.

For a user imported from Vijeo Designer:

- the user **Name** and **ID** are equal to the **ID**
- the names of the recorded fingers are **Finger1** and **Finger2**
- the **Date of the Record** is the date of the export from Vijeo Designer

Exporting Users

The exported users can be imported by Vijeo Designer or another Harmony XB5SSoft.

Use this procedure to export users from the **Users** list:

Step	Action	Online/ Offline?
1	Select 1 or more users in the Users list.	Online
2	Right-click Users list. Result: The contextual menu opens.	Online
3	Contextual menu → Import/Export from Vijeo Designer → Export selected Users Result: The Export users - Select file dialog opens.	Online
4	Change target directory, if necessary, and enter File name .	Online
5	Click Save . Result: The message User exportation successfully ended!	Online

Use this procedure to export users allocated to a column:

Step	Action	Online/ Offline?
1	Select a column in the Allocations list.	Online
2	Right-click Allocations list. Result: The contextual menu opens.	Online
3	Contextual menu → Import/Export from Vijeo Designer → Export Users of selected XB5S Result: The Export users - Select file dialog opens.	Online
4	Change target directory, if necessary, and enter File name .	Online
5	Click Save . Result: The message User exportation successfully ended!	Online

Chapter 8

Managing Allocations

What Is in This Chapter?

This chapter contains the following topics:



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Managing Allocations Columns

Introduction

An allocation column is the link between users and the XB5S device. Each column corresponds to a different XB5S device. The column of the currently attached XB5S device has an icon in the header of the column.

In the header of the column corresponding to the XB5S device there are 2 types icons:

Description	Icon
The XB5S device is connected to the PC.	
The XB5S device is not connected to the PC.	

Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or MorphoSmart device to be connected to the PC.

Plugging in an XB5S Device

When an XB5S device is plugged into a USB port, you are given the choice of 2 options:

- **Attach this XB5S to a column in the database**
If you select this option, you are asked which column to attach the XB5S device to.
- **Add a column in the database and attach this XB5S to it**
If you select this option, the XB5S device is automatically attached to a new column.

Adding Additional Columns

Use this procedure to add a column to the **Allocations** list:

Step	Action	Online/Offline?
1	Click "+" above the Allocations list. Result: The Add column dialog opens.	Offline
2	Enter the Designation and Comments (if necessary).	Offline
3	Click OK .	Offline
4	Click OK . Result: A new column is added to the Allocations list.	Offline

Deleting a Column Never Attached

Use this procedure to remove a column never attached to an XB5S device from the **Allocations** list:

Step	Action	Online/ Offline?
1	Select a column.	Offline
2	Click "-" above the Allocations list. Result: The Delete column dialog opens.	Offline
3	Click OK . Result: The message Columns successfully deleted! . The selected column is removed from the Allocations list	Offline
4	Click OK .	Offline

Deleting a Column with Attached XB5S Device

Use this procedure to remove a column from the **Allocations** list to remove the XB5S device from your equipment. (The device can be re-programmed with **Harmony XB5SSoft**.):

Step	Action	Online/ Offline?
1	Connect the targeted XB5S device to the PC.	Online
2	Select the column of the targeted XB5S device.	Online
3	Click "-" above the Allocations list. Result: The message Column XXX will be deleted. The connected device will be reset before deletion.	Online
4	Click OK . Result: The Administrator approval dialog opens.	Online
5	Perform an administrator fingerprint authorization. Result: The column is removed from the Allocations list and the XB5S device is detached (<i>see page 34</i>), reset (<i>see page 37</i>), and deleted (<i>see page 34</i>) from the database. The connected XB5S device is no longer recognized by this database. Because it is now considered to be a new XB5S device, the Connection of a new device dialog opens.	Online
6	Click Cancel .	Online
7	Unplug the XB5S device from the PC.	Online

Removing an XB5S Device from Service

It is recommended to use the following procedure to remove an XB5S device from service. As a result of this procedure the XB5S device **can no longer** be programmed with Harmony XB5SSoft.



Use this procedure to remove an XB5S device from service:

Step	Action	Online/Offline?
1	Connect any device to the PC.	Online
2	Select the column of the device to be removed from service.	Online
3	Click “-” above the Allocations list. Result: The Administrator approval dialog opens.	Online
4	Perform an administrator fingerprint authorization. Result: The message This procedure will make your XB5S device unusable.	Online
5	Click OK . The XB5S device is no longer be able to be programmed with Harmony XB5SSoft.	Online
6	Unplug the XB5S device from the PC.	Online

Allocations Contextual Menu

If you right-click on a column, a menu with the following items opens:

Item	Used to ...	Online/Offline?
Modify Description	modify the Description and Comments .	Offline
Detach XB5S from column	detach the XB5S device from its column: <ul style="list-style-type: none"> It requires an administrator fingerprint authorization. The XB5S device is reset (<i>see page 37</i>). The users are not removed from the column. NOTE: This feature is recommended when replacing an XB5S device by a another XB5S device. This new XB5S device can be attached to same column as the old XB5S device using Attach XB5S to column .	Online
Attach XB5S to column	attach the unattached XB5S device to a column.	Online
Delete Column	delete a column and its user information. NOTE: Refer to Deleting an Column (<i>see page 33</i>).	Offline
Copy	copy a column with its user information.	Offline
Paste	paste the copied column to the target column. NOTE: Use the CTRL key to select several target columns.	Offline
Import/Export from Vijeo Designer	import a user from Vijeo Designer. export a user to Vijeo Designer.	Offline
Sort Columns by	sort the columns by the Designation , ID , Date of last update or Comments .	Offline

Item	Used to ...	Online/ Offline?
Filter Columns	filter the columns to show only columns that have the same Designation or Comments . They can also be filtered to show a range of Date of update . When a column is filtered, a small icon appears above Allocations list:  You can click this icon to directly open the Filter Columns dialog.	Offline
Show/hide Columns	show or hide the columns according to their Designation . When columns are hidden, a small icon appears above Allocations list:  You can click this icon to directly open the Show/hide Columns dialog.	Offline

Managing User Allocations

Adding a User

To allocate a user to an **Allocations** column, double-click the line in the column that corresponds to the user.

An **X*** appears in the column line. The “*” means that the database has not been stored (*see page 37*) since the user was allocated to the XB5S device column.

NOTE: Up to 200 users can be assigned to a column, that is, 200 users (with 1 or 2 fingerprints) per XB5S device.

Removing a User

To delete a user from an **Allocations** column, double-click the line in the column that corresponds to the user.

Chapter 9

Storing and Resetting an XB5S Device

Storing and Resetting

Store Procedure

NOTE: Never disconnect the XB5S device during the store operation. Disconnecting it during a store operation may make the XB5S device no longer programmable by Harmony XB5SSoft.


Online/Offline?

Offline These are manipulations that can be done when an XB5S device or MorphoSmart device is not connected to the PC.

Online These are manipulations that require an XB5S device or MorphoSmart device to be connected to the PC.

Only the users that are allocated to the current connected XB5S device are downloaded and stored in it.

Use this procedure to download the updated user database from the PC to the XB5S device:


Step	Action	Online/ Offline?
1	Click Store icon.  Result: The Store to XB5S dialog opens.	Online
2	If you agree with the message in the dialog, click OK . Result: The Administrator approval dialog opens.	Online
3	Apply an administrator finger to the XB5S device sensor for 2 s. Result: The Store to XB5S dialog opens again.	Online
4	When the Storage successful message appears, click OK . Result: The allocated users are stored in the target XB5S device.	Online

Reset Procedure

NOTE: Never disconnect the XB5S device during the reset operation. Disconnecting it during a reset operation may make the XB5S device no longer programmable by Harmony XB5SSoft.

Resetting the current connected XB5S device erases all data stored in it. This operation also deletes all the users in the **Allocations** column corresponding to the connected XB5S device (there is a green icon in the column heading).

Use this procedure to delete all data in the connected XB5S device:

Step	Action	Online/ Offline?
1	Click Reset icon.  Result: The Reset XB5S dialog opens.	Online
2	Apply an Administrator finger to the XB5S device sensor for 2 s. Result: The Reset XB5S dialog opens again.	Online
3	Click OK . Result: All data in the XB5S device is erased by storing an empty user database in it. All users in the Allocations column for the XB5S device are removed.	Online

Chapter 10

Troubleshooting

Troubleshooting

Introduction

Using this table to find the solution to issues you have with Harmony XB5SSoft:

	Issue	Cause	To Solve the Issue
1	While capturing a fingerprint using an XB5S device or MorphoSmart device, Harmony XB5SSoft takes a long time to display the 3 steps of capture.	The glass of the biometric switch sensor is dirty.	Regularly clean the glass of the biometric device sensor.
2	When you copy several users and paste them in Harmony XB5SSoft; you get an detected error message.	It is not possible to have an user ID more than one time in the grid.	Pasting users as new users is only possible if the users have been copied from outside Harmony XB5SSoft (for example, Word or Excel).
3	When you record the first administrator, you are requested to enter a password.	The creation of the first administrator must be authorized. if you created a password during the first launch or configuration of Harmony XB5SSoft.	Enter the password that you created during the first launch or the configuration of Harmony XB5SSoft.
4	You have lost your Harmony XB5SSoft password.		Contact Schneider Electric to solve this issue.
5	When connecting a device, you get the following message: "The connected device is used and programmed by another database. You will not be able to program it or reset it with this database"	The XB5S device has been programmed on another PC. A biometric switch content cannot be modified by any PC. It can be reset or re-programmed only by the PC which has previously programmed it.	Detach (<i>see page 18</i>) the XB5S device biometric switch from its original database to be able to program it by a new database. If you do not have access to the original database, please contact Schneider Electric to solve this issue.
6	You get the following message: "The XB5S device ('serial number') must be connected to be detached from column ('column designation')".	The detach (<i>see page 18</i>) operation resets (<i>see page 37</i>) the associated XB5S device to make it usable by any other PC with Harmony XB5SSoft.	Connect the XB5S device that is attached to the indicated column to carry out the detach (<i>see page 18</i>) operation.

	Issue	Cause	To Solve the Issue
7	An XB5S device, declared as a reader, cannot be attached to a column.	Only a biometric switch declared as an XB5S device can be attached to a column.	To attach an XB5S device to a column, you must apply the following function: Command menu Allocations → Attach XB5S to Column .
8	In the lower right status bar it says "Several devices are connected".	Harmony XB5SSoft can manage only one device at a time.	Disconnect all but one device, so that only one device remains connected to the PC.
9	You get the following message "Only one administrator is recorded" each time you launch Harmony XB5SSoft.	You have only one administrator enrolled.	Record a second administrator. NOTE: If only one administrator is enrolled and that administrator is not available, the devices cannot be programmed.
10	The database administrator(s) are unavailable.	Administrator(s) left the company or are otherwise no longer available.	Contact Schneider Electric to solve this issue.
11	You are an administrator of the database and you want to use an XB5S in the operational mode.	Administrators of Harmony XB5SSoft are not stored in the XB5S device. Only users are recorded in the XB5S device.	You must be enrolled as a user.