

SILVER**sensor**

Manual

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1. Introduction

i. **About SILVERsensor**

Thank you for choosing SILVERsensor by LOGICDATA. With SILVERsensor, every effort has been made to ensure your comfort and safety. This Manual is intended to enable persons to assemble and operate the product safely. However, incorrect installation of the product, or usage outside of the intended use described in this Manual may lead to hazardous situations. In Chapter 2, "Safety", and throughout this Manual, potential risks, their consequences, and steps to avoid harm are explained.

Observing the safety instructions in this Manual will help you to avoid hazards and minimize damage to the system. All persons involved in the assembly of the system must have the full product documentation available to them at all times. Product documentation consists of this Manual and any other relevant documents supplied by the manufacturer. Documentation must always be kept complete and legible.

In this manual, you will find important information that will help you install the product correctly and safely. Important safety instructions are included in Chapter 2 of this Manual. You are required to read all safety instructions carefully before installing or operating SILVERsensor.

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iii. Liability

The descriptions of product characteristics in this Manual are not a guarantee of the presence of these characteristics. LOGICDATA is not liable for damage or injury caused by:

- Improper product use
- Disregard of the documentation
- Unauthorized product alterations
- Improper work on and with SILVERsensor or the Bed Frame
- Operation of damaged products
- Improperly performed repairs
- Unauthorized changes to the operating parameters
- Disasters, external influence, and force majeure

LOGICDATA assumes no liability for technical or printing errors, for deficiencies in this documentation, or for damages caused directly or indirectly by the delivery, performance, or usage of this documentation.

iv. Contact Information

LOGICDATA Electronic & Software-Entwicklungs GmbH
Wirtschaftspark 18
8530 Deutschlandsberg
Austria

LOGICDATA North America Inc.
5300 Broadmoor Ave SE, Suite D
Grand Rapids, MI 49512 USA
T: +1 616 328 8841
office.na@logicdata.net

v. Other Information

Loi 101

The Charter of the French Language (La charte de la langue française) or Bill 101 (Loi 101) guarantees the right of the population of Quebec to conduct business and commercial activities in French. The bill applies to all products sold and used in Quebec. For products that will be sold or used in Quebec, Resellers must provide all product-relevant texts in French. These include, but are not limited to:

- Manuals
- All other product documentation, including datasheets
- Inscriptions on the product (such as labels), including those on product packaging
- Warranty certificates

The French inscription may be accompanied with a translation or translations, but no inscription in another language may be given greater prominence than that in French.

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

This Class B digital apparatus complies with Canadian ICES-003.

FCC Compliance

The Radio Frequency for this product is 2.4 GHz

The SILVERsensor by LOGICDATA complies with FCC CFR 47 Part 15 Subpart B/C. Operation is subject to the following conditions:

The product may not cause harmful interference

The product must accept any interference received, including interference that may cause undesired operation

To comply with the FCC RF exposure compliance requirements, you may not make any changes to the product or the antenna. Changes to the antenna or the product could result in the product exceeding the RF exposure requirements. This may void your authority to use the product.

2. Safety

IMPORTANT SAFETY INSTRUCTIONS

i. *About this Document*

This Manual is intended to help users safely install the SILVERsensor by LOGICDATA. It also contains instructions for operating the Bed Frame to which the SILVERsensor is connected using a mobile App.



This Manual does not include instructions or safety advice for assembling the Bed Frame, or for operating the Bed Frame using the Remote Control, or through applications other than the mobile App. You must also read the documentation for your Bed Frame in full before installing the SILVERsensor or using the Bed Frame.

ii. *General Safety Information*

The following safety regulations and obligations are valid when handling the system:

- Do not operate the Bed Frame unless it is in full working order
- Do not remove, change, bridge, or bypass any protection or safety features
- Do not convert or modify the Bed Frame without written approval
- Do not use unauthorized spare parts for repair
- Only physically able adults are allowed to assemble the product
- Do not attempt to change or replace parts unless the product is in a de-energized state
- Ensure that no children or animals are in the proximity of the Bed Frame when operating it
- Ensure nothing obstructs the Bed Frame's range of motion (e.g. night stands or open windows)
- Do not sit directly on any Platform when operating the Bed Frame. Distribute your weight evenly

iii. *Explanation of Symbols and Signal Words*

 DANGER	The signal word DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	The signal word WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	The signal word CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE	The signal word NOTICE indicates a situation that will not lead to personal injury, but could lead to damage to the product or the environment.

iv. *Residual Risks*

DANGER

To reduce the risk of electric shock:

- Always unplug the Bed Frame from the electrical outlet before cleaning.

WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:

- Unplug the Bed Frame from the outlet before putting on or taking off parts.
- Close supervision is necessary when the Bed Frame is used by, or near children, invalids, or disabled persons.
- Use this Bed Frame only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Never operate the Bed Frame if it or any parts have a damaged Cable or Plug, are not working properly, have been dropped or damaged, or dropped into water. Return the bed for examination and repair or replace it.
- Keep all Cables away from heated surfaces.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate the Bed Frame where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect the Bed Frame, turn all controls to the off position, then remove plug from outlet.
- **WARNING:** Risk of injury – keep children away from the extended foot support (or other similar parts).

WARNING

Moderate risk of death or serious injury

The maximum allowed load on your Bed Frame is specified in its Manual. Overloading the Bed Frame, or any single Platform, may lead to death or serious injury.

- Do not overload the Bed under any circumstances
- Do not stand on the Bed Frame
- Do not apply the maximum load to the Foot or Head Platforms
- Do not sit on the mattress while the Bed Frame is in motion. Distribute your weight evenly

WARNING

Moderate risk of death or serious injury

Opening electrical components, or attempting improper conversions or modifications to electrical or mechanical components on the Bed Frame may lead to death or serious injury.

- Do not convert or modify the Adjustable Bed Frame
- Never open electrical components

WARNING

Moderate risk of death or serious injury in explosive atmospheres

Operating the SILVERsensor in potentially explosive atmospheres may lead to death or serious injury through explosions.

- Read the relevant directives to determine whether an atmosphere is potentially explosive
- Do not operate the Bed Frame in potentially explosive atmospheres

WARNING

Moderate risk of death or serious injury through crushing

When the Bed Frame moves to a new position, it is possible that persons will be crushed between the Bed Frame and foreign objects. This may lead to death or serious injury.

- Do not store foreign objects underneath the Bed Frame
- Ensure nothing obstructs the Bed Frame's range of motion (e.g. night stands or open windows)

WARNING

Moderate risk of death or serious injury through crushing

Crawling, laying, or reaching underneath the Bed Frame may lead to death or serious injury through crushing

- Do not crawl, lay, or reach underneath the Bed Frame

WARNING

Moderate risk of death or serious injury to children


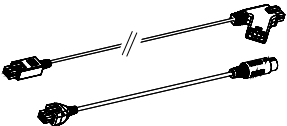

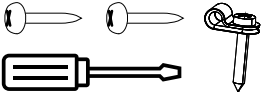

Irresponsible use of the Bed Frame around children may lead to death or serious injury.

- Activate the Child Lock or lock you mobile device when children are present
- Keep children away from moving Platforms
- Do not allow children to play with the Bed Frame

SAVE THESE INSTRUCTIONS

3. Box Contents

The SILVERsensor is delivered in a single package. The contents of this package are listed here. If you are missing parts, or if parts are damaged, contact LOGICDATA (see contact information, page 4.) You will require a screwdriver (cross-head) to complete assembly.

SILVERsensor	
Cables (See Chapter 5 on page 14)	
4 x Damping Element	
NOTE: The Damping Elements are required for the SILVERsensor to recognise heart rate effectively. See page 16/18 for Assembly	
2 x Mounting Screw 1 x Cable Clamp 1 x Clamp Mounting Screw (Optional - see page 14-15) Screwdriver required separately	
Manual	

4. Safety During Assembly

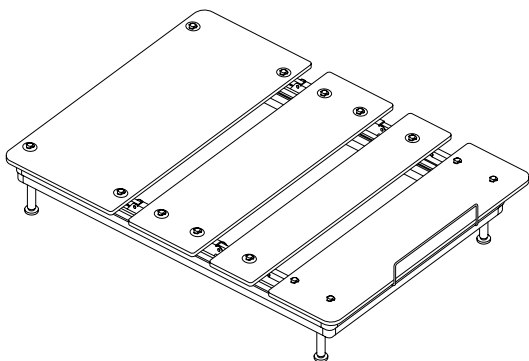
⚠ WARNING	Moderate risk of death to children and animals The plastic packaging of the SILVERsensor is a potential suffocation hazard. Leaving children or animals unsupervised with the empty packaging may lead to death through suffocation. <ul style="list-style-type: none">• Do not leave children or animals unsupervised• Dispose of unnecessary packaging immediately
⚠ WARNING	Risk of minor or moderate injury through cutting Contact with sharp edges may lead to minor or moderate injury through cutting. <ul style="list-style-type: none">• Avoid contact with sharp edges
NOTICE	Do not use a knife or a sharp object to unpackage the SILVERsensor. This may damage the product.
NOTICE	Ensure all parts are at room temperature. Parts that are too cold or hot may affect assembly.

5. Identify your Bed

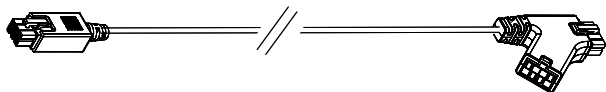
i. **Standard Frame**

Your Frame:

- Has 4 Platforms
- Has Plug Ports in the Side Rails of the Frame



You require this cable:



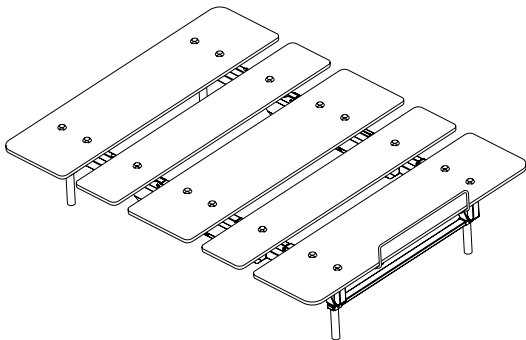
Go to Chapter 6 on Page 16 for Assembly Instructions

NOTE: For Queen and Twin XL Frames, mount the Cable clamp halfway between the Side Rail and SILVERsensor to hold slack.

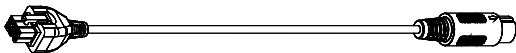
ii. *Lite Frame*

Your Frame:

- Has 5 Platforms
- Has a Control Box (in a net under the center platform)



You require this cable:



Go to Chapter 7 on Page 18 for Assembly Instructions

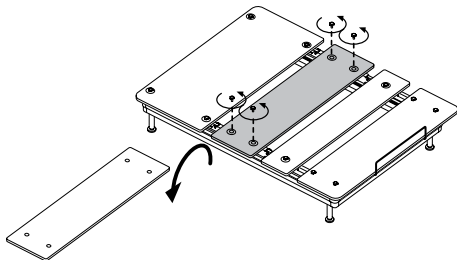
6. Assembly: Standard Frame

i. **Before you start**

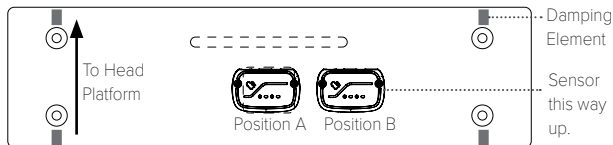
1. Make sure the Bed Frame is in the Flat Position.
2. Unplug the Power Converter from the Power Outlet.
3. Remove the Mattress from the Bed Frame.
4. If relevant, unplug the Underbed Light Cable from the Side Rail.

ii. **Preparing the Base Platform**

1. Remove the Base Platform by unscrewing the Platform Screws
2. Place the Platform face-down on the floor.

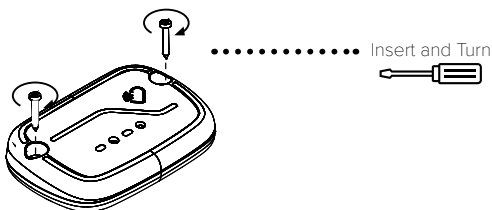


iii. **Mounting the SILVERsensor**



A. Mounting position, no massage motor. B. Mounting position, with massage motor

1. Attach all 4 Damping Elements next to the holes (marked)
2. Find and mark the position of the SILVERsensor on the Platform
3. Screw in the SILVERsensor Mounting Screws with a screwdriver
4. Attach the Cable Clamp (Twin XL and Queen only, see page 14)



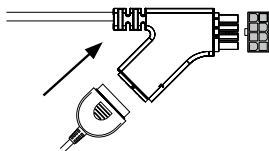
iv. **Re-connecting the System**

1. Re-attach the Base Platform using the Platform Screws,
2. Connect the SILVERsensor Cable to the SILVERsensor.

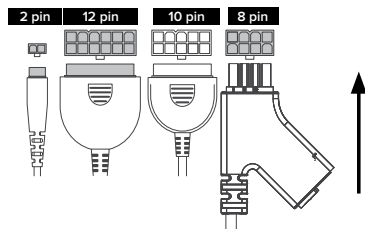
INFO

If your Bed has an Underbed Light:

Connect the Underbed Light Cable to the SILVERsensor Cable.



3. Plug the SILVERsensor cable into the empty Side Rail Port



v. **Completing Assembly**

1. Re-attach the Base Platform using the Platform Screws
2. Replace the Mattress
3. Plug the Power Converter back into the Power Outlet
4. Perform a Flat Position Reset (see Manual).

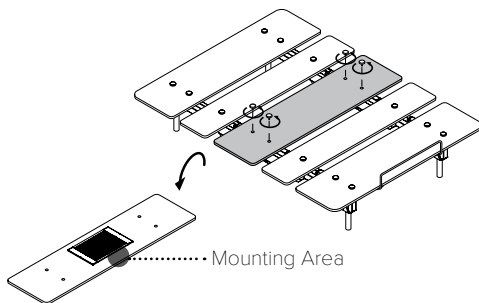
7. Assembly: Lite Frame

i. **Before you start**

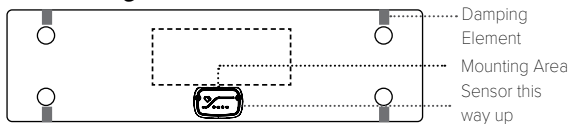
1. Make sure the Bed Frame is in the Flat Position.
2. Unplug the Power Converter from the Power Outlet.
3. Remove the Mattress from the Bed Frame
4. Remove the Control Box from the Net

ii. **Preparing the Base Platform**

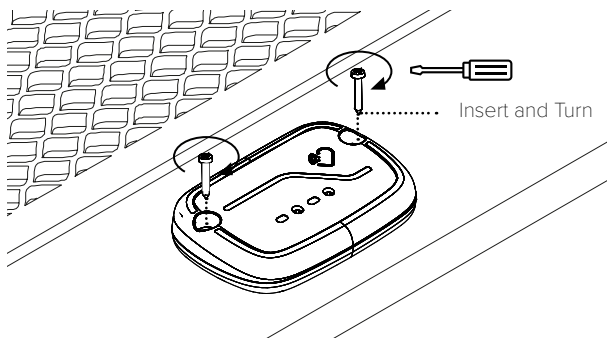
1. Remove the Base Platform by unscrewing the Platform Screws
2. Place the Platform face-down on the floor (net facing up).



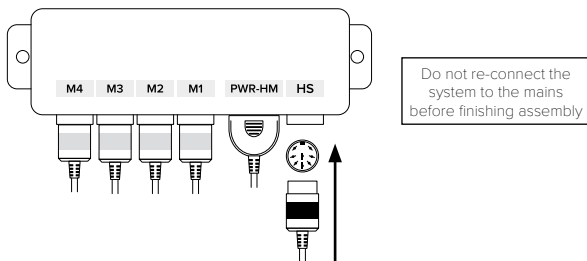
iii. **Mounting the SILVERsensor**



1. Attach all 4 Damping Elements next to the holes (marked)
2. Find and mark the Mounting Position (below the open side of the net, see above.)
3. Place the SILVERsensor in the Mounting Position. Mark the intended position of the Mounting Screws.
4. Screw in the Mounting Screws with a screwdriver.



1. Connect the SILVERsensor Cable to the SILVERsensor.
2. Insert the SILVERsensor Cable into the “HS” port of the Control Box, then put the Control Box back into the Net.
3. Re-attach the Base Platform using the Platform Screws



iv. **Completing Assembly**

1. Replace the Mattress
2. Plug the Power Converter back into the Power Outlet
3. Perform a Flat Position Reset (see Manual).

8. Operation via the App

i. Safety

WARNING

Risk of injury through crushing

The SILVERsensor App allows you to move the Bed Frame continuously. There is a risk of injury during continuous movement. To avoid this, ensure that:

- The Bed is in clear vision during continuous movement
- Children and animals keep clear of moving parts
- Children cannot access the App when the Bed is in range
- You lock your device to avoid unwanted use

WARNING

Risk of death or serious injury to children

Use of the App by children may lead to death or serious injury.

- Lock your device when children are present
- Do not allow children to play with the App

WARNING

Risk of injury through crushing

Multiple Bed Frames may be in range of the App. Operating the wrong Bed may lead to death or serious injury.

- Ensure the App is paired to the correct Bed Frame
- Ensure the App has been safely unpaired before using it on another Bed

<h1>! WARNING</h1>	<p>Risk of death or serious injury through crushing</p> <p>When the Bed moves to a new position, persons may be crushed between the Bed and foreign objects. This may lead to death or serious injury.</p> <ul style="list-style-type: none"> • Do not store foreign objects underneath the Bed • Ensure nothing obstructs the Bed's range of motion • Ensure the Bed Frame is in clear vision during operation
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ii. Installing the App



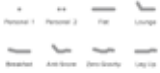
The App is available on Google Play and the App Store.

iii. Home Screen

These buttons are required to pair the App and change position. Instructions for other functions are available in the App Tutorial.

The screenshot shows the app's interface. Callout 1 points to the top status bar. Callout 2 points to the 'Head' adjustment button. Callout 3 points to the 'Foot' adjustment button. Callout 4 points to the 'Personalizable Memory Positions' section at the bottom. Callout 5 points to the 'Pre-set Memory Positions' section at the bottom.

1	Settings Menu
2	Head Platform Adjustment Button
3	Foot Platform Adjustment Button
4	Personalizable Memory Positions
5	Pre-set Memory Positions


	<p style="text-align: center;">Pairing the App</p> <ol style="list-style-type: none"> 1. Open the SILVERsensor App. 2. Unplug the Bed and wait 10 seconds. Reconnect to power to start pairing mode. Pairing mode lasts for 120 seconds. 3. Go to the Settings Menu and tap “Connect to SILVERsensor”. 4. Tap on your SILVERsensor from the list of available devices. 5. Wait for pairing to complete.
	<p style="text-align: center;">Moving the Bed Frame Up and Down</p> <p>Manual Movement:</p> <ol style="list-style-type: none"> 1. On the home screen, press and hold the button for the Platform you wish to move. 2. Release the button when the Platform reaches the desired position. <p>Automatic Movement</p> <ol style="list-style-type: none"> 1. On the home screen, double-tap the button for the Platform you wish to move. 2. Wait until the Platform reaches the new position. 3. To stop movement, tap anywhere on the screen.
	<p style="text-align: center;">Saving Memory Positions</p> <ol style="list-style-type: none"> 1. Move the Bed Frame to the position you wish to save. 2. Press and hold a “Personal” Memory Position Button for 2 seconds. 3. When prompted, tap “Overwrite” to save the position to the new button.
	<p style="text-align: center;">Moving the Bed to a Saved Position</p> <ol style="list-style-type: none"> 1. On the home screen, double-tap the Memory Position you wish to move to. 2. Wait for the Bed Frame to reach the desired position.

9. Additional Information

i. *Troubleshooting*

Go to **www.adjustables.logicdata.net** for troubleshooting advice. Alternatively, contact support via the App (Menu -> About -> Contact)

ii. *Cleaning and Maintenance*

 WARNING	<p>Moderate risk of death or serious injury through electric shocks</p> <p>Leaving the Bed Frame plugged in while cleaning it may lead to death or serious injury through electric shocks.</p> <ul style="list-style-type: none">• Use only a dry cloth to clean the Bed Frame• Do not allow any of the Bed Frame's components to become wet during cleaning• Always unplug the Bed Frame from the mains before cleaning
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iii. *Technical Data*

Technical Data for the SILVERsensor can be found in its Datasheet.

iv. *Disposal*

Before disposing of the product, check the types of materials in the SILVERsensor and make plans to dispose of them accordingly.

This product should not be disposed of with regular household waste. Adhere to the disposal procedures for the raw materials and components used. Recycle as many parts as possible.

Careless disposal may cause irreversible environmental harm. Ensure that measures are taken to protect nature, the environment, and the economy.

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