Electric Adjust Sit-Stand Workstation **USER MANUAL.**

A simple manual designed to assist you in familiarising yourself with the operational, safety and ergonomic considerations of the Electric Adjust Sit–Stand Workstation.

schiavello

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Preface

Dear Customer,

Thank you for choosing Schiavello's Electric Adjust Sit-Stand Workstation. You now have the ability to control and adjust your position at your work point and transition from sitting to standing work postures with ease.

The Sit-Stand System promotes movement in the workplace. Both functional and aesthetic, the workstation features height adjustability, supporting connectivity between people and encouraging flexible ways of working.

This user manual is designed to assist you in familiarising yourself with the operational, safety and ergonomic considerations of the Electric Adjust Sit-Stand Workstation.

Please read the User Manual carefully before you operate the product and keep it in close proximity to the workstation.

Functionality of the Electric Adjust Sit-Stand System

The Electric Adjust Sit-Stand Desking System incorporates the following features:

- Height adjustable desks can be located side by side and back to back or with a dividing panel between. Care must be taken to avoid having desks without panels too close as they may create pinch points. (recommended 25mm gap between desks)
- Electronically controlled height adjustment from the design minimum to maximum heights. The desk can be raised/lowered at a rate of 40mm/sec. Once adjusted the desk is electronically braked to prevent movement.
- Tested for strength, durability, stability, function and ergonomics conforming to: Australian Standard AS/NZ 4442:1997 "Office desks".
- The desk is designed to accommodate working loads of 120kg, so computers, monitors and other objects can be placed on the desk without affecting performance.
- **Intelligent Protection System (ISP)**
  Anti Collision and Drive System Protection is included to substantially reduce the risk of damage to both desk and surrounding equipment. After a safety function is triggered by ISP, the desktop automatically moves to a defined distance in the opposite direction. This immediately prevents possible risk of damage. With this anti-collision solution you can provide a longer lifetime to your office equipment.
- **Switches**
  Soft touch switches are provided for programming and adjustment of desk heights.

General Safety Information

This user manual contains safety instructions that draw your attention to any possible risks, thus enabling safe operation of the desk, motor control unit and the ISP/ASC systems. Please observe these warnings at all times.

In this section you will find general safety instructions with the following symbols:



DANGER
This symbol advises you of imminent danger to health. ***Failure to observe this warning*** may result in health problems, serious injuries and damage to property.



CAUTION
This warning advises you of possible dangers from electric current. ***Failure to observe this warning*** may cause injuries and damage to property.

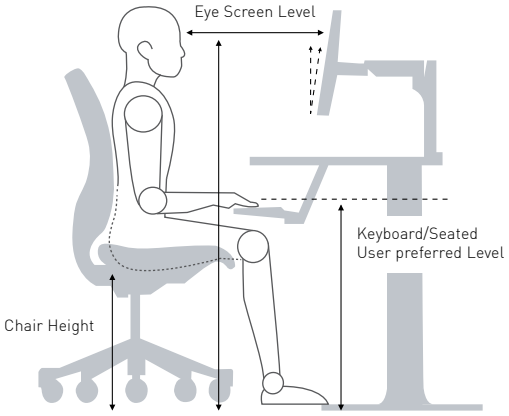


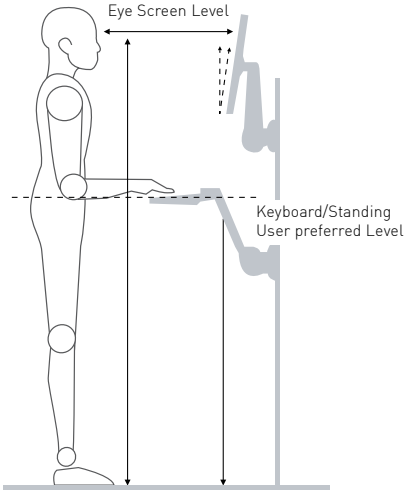
DANGER RISK
This symbol advises you of a possible risk of body parts being trapped or pinched in exceptional cases. ***Failure to observe this warning*** may result in health problems, serious injuries and damage to property.



NOTE
This symbol advises you of important information that must be noted for operating the desk safely.

Ergonomic Considerations & Setup





DESK SETUP SITTING

Setup

- Minimum height must be greater than any under-desk furniture/obstruction
- Program User height to Seated User preferred level

Ergonomics

- Chair at comfortable height
- Straight back
- Forearms at or slightly above desk height, shoulders relaxed
- Wrists straight in line, keyboard flat
- Thighs parallel to ground, knees at 90°

DESK SETUP STANDING

Setup

- Maximum height must be lower than any above-desk furniture/obstruction
- Program User height to Standing User preferred level

Ergonomics

- Straight back
- Forearms at or slightly above desk height, shoulders relaxed
- Wrists straight in line, keyboard flat
- Straight back

Ergonomic Considerations & Setup

General Safety Information Expanded



DANGER

- In the event of a fault, please contact your relevant Schiavello office immediately. Only original spare parts may be used for repairing the control units. Parts may only be replaced by qualified service technicians; otherwise the warranty/guarantee shall be null and void.
- Do not modify or make any changes to the control unit, the controls themselves or the hand switches.
- If the control unit's power cord is damaged, it must be replaced by the manufacturer or similarly qualified person in order to prevent any risks.
- The desktop will continue moving until you release the key or the minimum/ maximum height is reached.
- Please note that there is a potential risk of pinching in the event of a fault.



DANGER RISK

- When changing the desktop position (especially without using additional pinch protection), there is a risk of pinching. You must therefore ensure that no people or objects are located in the hazardous area or can reach into it.



NOTE

- A workplace hazard and risk assessment should be performed prior to installation and use of a Sit-Stand Desking System into the work area.
- As soon as the ISP has stopped the electric height adjustable desk from moving, you can then only adjust the desktop in the opposite direction (the safety feature initially prevents you from adjusting the desk in the same direction as triggered it).
- Only clean the system components with a dry or slightly moist cloth. Before cleaning, you must always unplug the power cord.
- The desktop will continue moving until you release the key or the minimum/ maximum height is reached.
- The weight on the worktop needs to be evenly placed over the entire top. It can impede the operation of the desk if unevenly weighted.



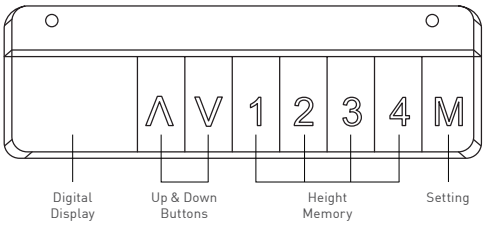
CAUTION

- In the event of a malfunction (e.g. If the control unit keeps adjusting the desk because a key has jammed), please unplug the unit immediately.
- Do not open system components under any circumstances. There is the danger of electric shock.
- Unplug the power cord during a thunderstorm as the control unit might be damaged by power surges.
- The desktop will continue moving until you release the key or the minimum/ maximum height is reached.

Ergonomic Considerations & Setup

Electric Adjust Workstations

OPERATION



UPWARD & DOWNWARD MOVEMENT

Press the up and down key and hold until the desired height is reached.



NOTE
The desktop will continue to move until you release the key or the maximum/ minimum height is reached.

MANUAL RESET - DISPLAY SWITCH/BASIC SWITCH

Press and hold **Λ** and **V** buttons, hold until beep confirms reset. The display will show current height.

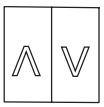


SAVING DESKTOP POSITION - DISPLAY SWITCH

(Up to four positions can be saved.) Move the desk to the desired height. Hold M for 3 seconds until the display flashes. Press 1, 2, 3, or 4 to save the height. Pressing a memory button moves the desk automatically unless set to manual mode (S-6). Saved positions remain after power-off.

1. Adjust the desktop to the position you want to save using the **up and down keys**. This will show the desktop height e.g. 73cm

PRESS



DISPLAY



2. Press the **M key** for 3 seconds until display flashes.

PRESS



3. Press the required **memory position key**.

PRESS



4. The set desktop position will now be saved to the selected memory position key

DISPLAY



NOTE
Using saved desktop positions is only available for handswitches with memory keys. The design of the memory position keys varies, depending on the handswitch model used.

Ergonomic Considerations & Setup

Electric Adjust Workstations

SETTING HEIGHT LIMITS

UPPER LIMIT

1. Move desktop to upper position.
Hold **Λ** and **V** together and quickly press and release **V** repeatedly while holding **Λ**.
A beep confirms the setting.

PRESS



LOWER LIMIT

1. Move desktop to lower position.
Hold **Λ** and **V** together and quickly press and release **Λ** repeatedly while holding **V**.
A beep confirms the setting.

PRESS



DEACTIVATING HEIGHT LIMITS

To **deactivate** the height limits position follow the steps below:

UPPER LIMIT

1. Move desktop to upper position.
Hold **Λ** and **V** together and quickly press and release **V** repeatedly while holding **Λ**.
A beep confirms deactivation.

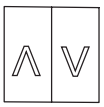
PRESS



LOWER LIMIT

1. Move desktop to lower position.
Hold **Λ** and **V** together and quickly press and release **Λ** repeatedly while holding **V**.
A beep confirms deactivation.

PRESS



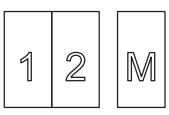
CHANGING THE DISPLAYED DESKTOP POSITION (CM OR INCH) - DISPLAY SWITCH

With this function it is possible to change the displayed desktop position from centimetres to inches or the other way around. The desktop position itself is not affected by this function.

1. Press the keys **memory position 1, 2** and the **M key** at the same time. Keep the key combination pressed for about 5 seconds. Then release the keys.

The display will read **C-1**.

PRESS



DISPLAY



2. Press **1** for centimetres, **2** for inches.

Operation & Troubleshooting

Electric Adjust Workstations

FACTORY RESET - DISPLAY SWITCH

If the system malfunctions or displays "E00," a reset is required. This is also necessary for first-time use.

Remove any object higher than 600mm from below desk before initiating the Factory Reset setting.

1. Press and hold **Λ** and **V** buttons, hold until beep confirms reset.
   The display will show current height.

PRESS



DISPLAY



Troubleshooting Error Codes

Electric Adjust Workstations

TROUBLE SHOOTING - ERROR MESSAGES

ERROR CODE	POSSIBLE CAUSE	APPLICABLE CONTROL BOX	ACTION
E00	System demands reset due to random cause	WP-CB20-955 WP-CB20B-955 WP-CB41A-957	Reset the system
E01	Overuse Protection		To cool the motor to cool, let system rest for at least 18 mins.
E02	Unbalance Protection		Reset the system
E03	Anti-collision		
E04	T-touch Protection		
E 10	Main power start up failure, memory/sensor error, or handset communication failure.		Check or replace the power supply, power cable, or handset.
E 11	Short-Circuit, Motor stall, Overload in the Motor 1		Reduce/balance weight. Reset the system. Replace the motor if needed.
E 12	Short-Circuit, Motor stall, Overload in the Motor 2		
E 13	Short-Circuit, Motor stall, Overload in the Motor 3		
E21	Motor 1 running direction error or Hall sensor error.		Replace motor
E22	Motor 2 direction error or Hall sensor error.	WP-CB41A-957	
E23	Motor 3 direction error or Hall sensor error.		
E31	No current in Motor 1		
E32	No current in Motor 2		
E33	No current in Motor 3	WP-CB41A-909 WP-CB41A-918 WP-CB41A-913	
E34	Motor 1, Motor 2, and Motor 3 are not connected.		
E40	The control box connection cable is not connected properly.		Check the cables. If it still doesn't work, replace the cable first, then the control box if needed.
E41	Error in Serial Signal		

End of Life Disposal

When you no longer require the ACS-CB-SENS protection system, please note the following for disposal:

NOTE
Ensure eco-friendly disposal of all the control unit components (separate the plastic and electronic parts for collection). Also ensure eco-friendly disposal of all the other components (drives, cables, etc.)

SUSTAINABLE
Our Height Adjustable Workstations are manufactured in accordance with international environmental standards: ISO 14001.

All components are either reusable or recyclable.
Our Height Adjustable Workstations areis GreenTag certified by Ecospecifier to levels A, B and C, some conditions apply.

This product is RoHS compliant according to directive 2002/95/EC.

This product is REACH compliant according to directive 2006/121/EC (Edict 1907/2006).

Contact Details

For more information on our Height Adjustable Wokstations, or to speak to a Schiavello representative please contact the relevant Schiavello office below:

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