

MiniTech

High Security Lock for Safes & Vaults



 **TECNOSICUREZZA**
Locks & Security Systems

User Operating Instructions

Firmware v1.17(v2)

Standard Specification

SAFELOCK
SYSTEMS

Available users and default codes

User	ID	Default Code
Master	N/A	12345678
Manager	01	123456
Users 02-49	02-49	Deleted – Must be added by the Manager
Users 50-59	50-59	Deleted – Must be added by the Manager. These are Time Delay Override Users

Default codes must be changed immediately.

Using the keypad

Press any key to wake the display.

If a key is not pressed for 30 seconds, the keypad display will automatically switch off.

To scroll menu items press 

To accept press 

To exit a menu or function, press and hold  or scroll to EXIT.

Shortcuts for Special Functions

Press and hold the relevant key to access the special function.

Key	Special Function
0	Change Code
1	Manage Users
2	System Setup (Not applicable)
3	Dynamic Codes (If in operation)
4	Block the lock
5	Test the keypad
6	Change keypad language
7	Audit
8	View keypad firmware version / Adjust contrast
9	Time delay menu
	Back to start menu
	Access the master menu

To open the lock

Enter a valid ID and 6-digit code.

To open the lock if time delay is active

Enter a valid ID and 6-digit code.

Wait for the time delay period to elapse.

The open window will be indicated with the onscreen message "OPEN WINDOW" and double beeps at 5 second intervals.

Enter a valid ID and 6-digit code.

To stop time delay counting, press  then  to confirm.

Users 50-59, if installed, are able to override time delay and open the lock immediately.

To change code

Press and hold 0.

Enter the ID and existing 6-digit code.

Enter the new 6-digit code twice.

To manage Users (Manager Only)

Press and hold 1.

Enter the Manager code.

The following symbols indicate the status of each User:

Symbol	Status
No Symbol	User deleted
✓	User installed and enabled
X	User disabled

Press  to advance each page.

Enter the ID of the User to be added (Use 2 digits)

The cursor will flash underneath the User ID.

Press  to access options.

Press  to scroll through options and follow the onscreen instructions:

INSTALL – add a User code. The User must enter their code twice.

DELETE – if a User is installed, their code can be deleted, making it possible to add a new different code.

DISABLE – If a User is installed, their code can be temporarily disabled.

ENABLE – If a User code has been temporarily disabled, it can be re-enabled.

To block the lock (Manager Only)

Blocking the lock prevents access to all lock functions (Opening and special functions) until the time and date that is specified (Up to 31 days).

Warning: Once blocked, the lock cannot be unblocked. It is important to ensure that the correct values are entered.

Press and hold 4.

Enter the manager code.

If weekly timelock is set, the display will show the next opening time.

Enter the date and time the lock should be blocked until, then press 

The display will show "BLOCK THE LOCK?". Press  to confirm.

To change the language

Press and hold 6.

Press 1 for English or select a number from the available language options.

Press  to confirm.

To view the keypad firmware version

Press and hold 8.

The keypad firmware version and release date will display.

Press 1 to view the lock firmware version

To adjust keypad contrast

Press and hold 8.

The keypad firmware version and release date will display. Press and hold 8 again.

Select the desired contrast level, then to accept

To download or view the audit (Manager or Master)

Manager: Press and hold 7. Enter the Manager code.

Master: Press and hold , enter the Master code, scroll to SYSTEM AUDIT, press to accept

If the audit is to be downloaded either to a Dallas key or directly to a PC, please refer to MiniTech Audit Instructions.

If the audit events (Lock opening and closing only) are to be viewed on the MiniTech Display.

Press . Press then again to scroll through each event. Press to exit.

To add time delay values

Press and hold 9. Enter the Manager code.

The display will show the current time delay values.

Press

Enter time delay value e.g. 01 minute (Max. 99 minutes)

Enter open window value e.g. 01 minutes (The minimum open window value is 01, the maximum is 19).

Press to accept

Note: If the time delay values are to be reduced, the lock must first be unlocked during the open window and the bolt must be held in the open position before again accessing the time delay menu.

To access the Master Menu

Press and hold . Enter the master code.

To adjust time and date (Master Only)

Access the Master menu, scroll to TIME AND DATE SETTINGS.

Press to view the time and date.

Press again to enter new values.

Press to accept.

Note: The time and date cannot be adjusted when timelock is active.

To turn off Automatic DST (Master Only)

Summer and wintertime DST changes are programmed into the lock system by the manufacturer. The values can be updated using software or disabled through the keypad.

The bolt must first be in the open position. Access the Master menu, scroll to AUTOMATIC DST, Press .

Press to scroll to OFF? then to accept.

Timelock: Adjust weekly timelock (Master Only)

A weekly schedule can be entered to specify periods of time when the lock can be opened by users (open periods) or cannot be opened by users (timelock active).

Warning: The timelock menu is only accessible during open periods. The values entered are the open periods: Ensure that values are entered for **every applicable day** before saving all values and exiting the weekly timelock settings menu.

Access the Master menu, scroll to TIMELOCK SETTING, press to accept.

Scroll to WEEKLY TIMELOCK SETTING. Press to accept. Scroll to ADD NEW VALUES, press to accept

Press to scroll through the days.

Enter the start and end times of the open period, then to accept.

Press to scroll through the days to add additional open periods. Each day will autocomplete with the same times as the previous entry, but can be overwritten. Each day's values are only be saved if is pressed.

Once each day has been scrolled, to save the complete schedule press when the display shows END OF LIST EXIT AND SAVE?

Scroll to VERIFY OR DELETE VALUES to check each day. If required, press to delete open periods, then to accept. **Do not exit the weekly timelock menu until all correct open period values are saved to avoid the risk of lock out.**

Timelock: Adjust closing periods (Master Only)

Closing periods are occasions when the safe would normally have a timelock open period, but is required to be inaccessible. E.g. the lock would normally have an open period of 09:00 to 17:00 on Mondays, but a closing period is required for a public holiday.

Access the Master menu, scroll to TIMELOCK SETTING. Scroll to CLOSING PERIODS SETTING.

Press to accept. The options available are:

ADD NEW VALUES / VERIFY OR DELETE VALUES

Select ADD NEW VALUES and enter the dates and times required. Up to 30 closing periods for a maximum of 14 days each can be held in the lock memory.

If a closing period should repeat each year, press instead of inputting the year.

Timelock: Adjust opening periods (Master Only)

Opening periods are occasions when the safe would normally have timelock active, but is required to be accessible. E.g. the lock would normally have timelock active on Sundays, but an opening period is required for a special event.

Follow the same instructions for 'Adjust closing periods', but scroll to OPENING PERIODS SETTING to adjust values.

To change the Master code

Access the Master menu, scroll to CHANGE MASTER CODE.

Enter the new 8-digit code twice.

Manager management (Master Only)

Access the Master menu, scroll to MANAGER MANAGEMENT. Press  to accept, then  again.

Press  to scroll through options and follow the onscreen instructions to INSTALL, DELETE, DISABLE or ENABLE

Troubleshooting

Display message: LOCK PENALTY

An incorrect code has been entered 4 times. Wait for the penalty period of 4 minutes to elapse before entering a valid code.

Display message: BATTERY LOW

The batteries must be replaced immediately. MiniTech is usually powered with a battery box mounted inside the safe or vault. Please consult the safe or vault supplier for more information on changing batteries. MiniTech can also be powered in an emergency using a 9v alkaline battery from the slot at the bottom of the keypad. Unscrew the security screw if fitted, pull the handle of the battery cover and connect the battery to the battery connector located inside the slot.

Display message: NO ANSWER

There is a connection fault between the keypad and the lock. Contact a safe engineer.

The display is not functioning

See BATTERY LOW, the batteries should be replaced

A key does not beep when pressed

Undertake a keypad test. Press and hold 5.

Press each key **in the order** that appears on the screen so that the digit/symbol disappears.

Keys functioning normally will sound a short beep. If the key is faulty, the message WRONG/FAULTY KEY shows on the display. Contact a safe engineer.

The safe or vault door does not open

If the lock system is otherwise operating normally, there is a mechanical fault. Contact a safe engineer.

Optional Features

MiniTech as standard is programmed with the features listed in these instructions. On occasion the specification may vary with the following features:

Blocked users: Some or all of the Users 02-59 may have been blocked for use, in which case the ID(s) will not be available in USERS MANAGEMENT.

Block the lock / unblock the lock: The Master and/or Users 02-59 may have been given the ability to block the lock in addition to or instead of the Manager, which may be in dual mode. Enter a valid User ID and code or press  to enter the Master code.

The Manager and/or Users and/or the Master may have been given the ability to unblock the lock if it has been blocked, which may be in dual mode. Press and hold 4, then enter a valid User ID and code or press  to enter the Master code.

Dallas keys: Some or all of the Users 02-59 and possibly the Manager, must touch their Dallas key to the reader on the side of the keypad in addition to entering their code, or they may use a Dallas key only in dual mode with a code holder.

To open the lock: Press any key to wake the display or touch the Dallas key to the reader. Touch the Dallas key to the reader, the display will show the User ID XXXXXX. Enter the 6-digit code, the lock will open.

To access Manager functions: Press and hold the relevant shortcut key and enter the 6-digit Manager code. The display shows ENTER USER 01 DALLAS, touch the Manager Dallas Key to the reader, the menu option becomes available.

To install new Users: Follow the procedure to install new users. After the new code has been entered twice, the display shows ENTER USER DALLAS, touch a blank Dallas key to the reader. If a key is lost, the User must be deleted and a new blank key can be used to reinstall the User. A key can be reassigned to another User ID if the current User ID is deleted.

Note on using Dallas keys: Occasionally the contact between the Dallas key and reader is poor and the message ERROR READING DALLAS shows. Vary the position of the Dallas key to resolve.

Dual mode: Two valid codes are required to open the lock for some or all users. The display will request a 2nd code.

If time delay is active, 1 code can start the time delay, 2 codes are required to open during the open window.

Two valid codes may also be required to access manager functions, in which case the 2nd code may be a user code (02-49), or press  to enter the Master code.

User 02 is installed with a default code of 02-020202. If only one User 02-59 is installed, do not allow that User to be deleted without first adding another User or the Manager will be unable to access Manager functions.

Dual locking: MiniTech can manage up to 2 locks, each with its own lock ID: 1, 2. Each lock operates independently with its own Master, Manager and User codes, and must each be accessed independently for opening and management using the keypad. Before any action is undertaken, select the relevant lock.

Duress: If the lock has been connected to an alarm system, users can enter a Duress code which sends a silent signal to alert others that the lock is being opened under duress. To enter a Duress code, use the normal code with the last digit increased by 1. E.g. 02-123456 would become 02-123457. If the last digit is a 9, it should be changed to a 0.

Dynamic codes: Dynamic Codes, also known as one-time codes or single use codes require additional equipment and PC software. Please refer to separate Dynamic Codes instructions.

Manager doesn't open: The manager may have been prevented from being able to open the lock system, limited to managing the parameters of the lock system.

Manager management disabled: The Master may have been prevented from managing the manager code, in which case MANAGER MANAGEMENT will be unavailable in the Master menu.

Time delay management: The Master may manage time delay parameters instead of or in addition to the Manager. Access the Master menu and scroll to TIME DELAY AND OPEN WINDOW