MR-6

Rocker-shaker



Instructions for use

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1. About this edition of instructions for use

1.1. The current edition of the instructions for use (IFU) applies to the following models:

Model and name	Version
MR-6, Rocker-shaker	V.1Ax

1.1.1. Revision number: 1.01.

1.1.2. Release date: November of 2026.

1.2. Symbols used in this IFU:

Caution! Please pay special attention to sections marked by this symbol.

1.3. Revision changelog

Edition	Date	Changes
1.01	11/2026	Initial IFU

2. Safety precautions

2.1. General warnings:

Caution! Make sure you have fully read and understood the present instructions before using the equipment.

2.2. Icons used on the unit and packaging:

CE	CE marking, manufacturer affirms conformity with European health, safety, and environmental protection standards, see **14.1**
	WEEE directive marking, see **14.1**

2.3. General safety

- The protection provided by the equipment may be impaired if the equipment is used with accessories not provided or recommended by the manufacturer or used in a manner not specified by the manufacturer.
- Save the unit from shocks and falling.
- Store and transport the unit as described in section **Storage and transportation**.
- Use only original parts and accessories, provided by manufacturer for this product.
- Before using any cleaning or decontamination methods except those recommended by the manufacturer, check with the manufacturer that the proposed method will not damage the equipment.
- Do not make modifications in design of the unit.

2.4. Electrical safety

- Connect only to the mains with voltage corresponding to that on the serial number label.
- Do not plug the unit into an ungrounded power socket, and do not use an ungrounded extension lead.
- Ensure that the power switch on the rear panel and the power plug are easily accessible during use.
- Disconnect the unit from the mains before moving.
- If liquid penetrates into the unit, disconnect it from the mains and have it checked by a repair and maintenance technician.
- Do not operate the unit in premises where condensation can form. Operating conditions of the unit are defined in section **Specifications**.

2.5. During operation

- Do not impede the platform motion.
- Do not place objects between the platform and the unit.
- Do not exceed the maximum load for the set speed and angle, see **9.5**. The display shows this maximum; the unit does not weigh the load.
- Distribute the load symmetrically on the platform, and on each level of the two-level platform. An asymmetric load may make the unit run unstably or stop.
- Do not operate the unit in environments with aggressive or explosive chemical mixtures. Please contact the manufacturer for possible operation of the unit in specific atmospheres.
- Do not operate the unit if it is faulty or has been installed incorrectly.
- Use only in laboratory rooms, cold rooms and incubators, not in CO_2 incubators. Operating conditions are defined in section **Specifications**.

2.6. Biological safety

- It is the user's responsibility to carry out appropriate decontamination if hazardous material is spilt on or penetrates into the equipment.

3. General information

3.1. **MR-6** is a mid-size programmable rocker-shaker for gels, blots, cell cultures, plates, tubes, beads and other vessels. Adjustable left–right rocking gives gentle to vigorous mixing for incubation, washing, staining and reagent exchange.

3.2. It is intended for life-science and shared laboratories: Western blot incubation and washing, general incubation and mixing, gel staining and destaining, probe hybridization, ELISA and other rocking-compatible plate-based assays, bead-based workflows and immunofluorescence staining.

3.3. The unit is operated from its touchscreen, without a PC. Presets and multi-step programs are stored on the unit, each user has an own profile, and the display shows the maximum permissible load for the set speed and angle. After a short power interruption the run resumes; after a longer one it stops with a warning. An optional second-level platform, mounted on the standard platform, doubles the usable surface, with up to 8 kg in total on both levels; a dimpled mat and silicone bands secure the vessels.

4. Getting started

4.1. **Unpacking**. Remove packing materials carefully and retain them for future shipment or storage of the unit. Examine the unit carefully for any damage incurred during transit. The warranty does not cover in-transit damage. Warranty covers only the units transported in the original package.

4.2. **Complete set**. Package contents:

4.2.1. Standard set:

- **MR-6**, Rocker-shaker..... 1 pce.
- Platform with silicone mat (installed)..... 1 pce.
- Holding bands..... 5 pcs.
- Power cable..... 1 pce.
- Instructions for use, declaration of conformity ..... 1 copy

4.2.2. Optional accessories, on request:

- Second-level platform ..... 1 set
- Dimpled mat **PDM-L** ..... 1 pce.
- Holding bands, set of 5 ..... 1 set

4.3. **Setup**.

- Place the unit on a firm, stable, even and horizontal surface.
- Remove the protective film from the display.
- Plug the power cable into the socket on the rear panel of the unit.

4.3.1. **Mat replacement**. The silicone mat and the dimpled mat **PDM-L** lie on the platform and can be lifted off and swapped.

4.3.2. **Second-level platform** (optional). The second level is mounted on the standard platform (figure 1). For installation, see the instructions supplied with it.

Caution! The total load on both levels must not exceed the maximum load for the set speed and angle, see **9.5**. Distribute the load symmetrically on each level.



Figure 1. Second-level platform

5. Operation – single step

5.1. **This section describes**:

- Choosing consumables.
- Powering up the unit.
- Simple setting of parameters, launching the operation.
- Closedown after operations.

5.2. **Choosing consumables**. Fill your vessels up to 75% of rated volume for the mixing efficiency.

5.3. **Turn on the power**. Connect the power cable to a grounded power socket and set the power switch, located on the rear panel of the unit, to position **I** (On). The display shows the initialisation screen (figure 2).

Note. During the first start-up, the unit prompts for the date and time (figure 3). Tap the value, use the numpad to adjust, then press **OK**. To change them later, see **11.1**.



Figure 2. Initialising system

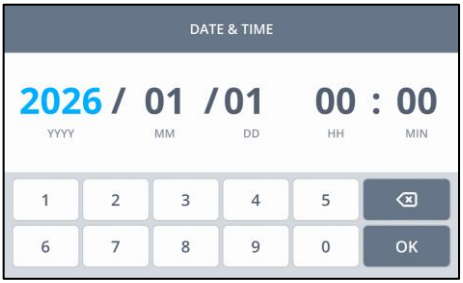


Figure 3. Date and time setting

5.4. **Display overview**. After initialisation, the display shows the ***Home*** screen (figure 4):

- Top row – **Menu** (**Home**, **Presets**, **Programs**, **Settings**), date and time, profile (here: ADMIN), status (IDLE) and current preset (Western blot).
- Middle row – parameter squares for **RPM**, **TIME** and **ANGLE**. Current values are large and blue, set values are black below them. The **RPM** square also shows the acceleration mode arrows; the **ANGLE** square shows the link icon for symmetric settings and, if set, the dwell. During a timed run, the progress bar below the squares fills up.
- Bottom row – **Save preset** and **Lock** on the left, **Pause** and **Start** on the right. **Pause** becomes available after the start; during a run, **Start** becomes **Stop**.

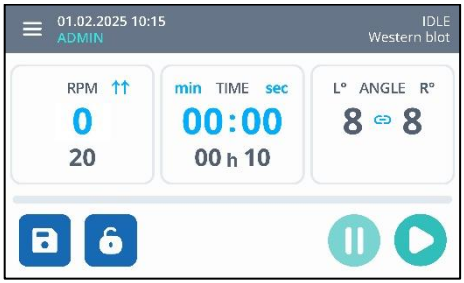


Figure 4. *Home* screen

Note. This section describes manual parameter setting and launch. Users and access, presets and programs are described in sections 6–8.

5.5. **Single-step parameter setting.** Press a parameter square in the middle row, **RPM**, **TIME** or **ANGLE**. A separate screen opens, with a tab selection column on the left and parameter-specific options on the right. On the keypads, ⌫ deletes the last digit and ↺ resets the value.

Note. To return to the ***Home*** screen, press ‹ in the top left corner. If any changes were made, you will be prompted to review them (figure 5). Press **Cancel** to discard the changes or **Apply** to save and apply them.

5.5.1. **RPM settings**.

- In the keypad tab, set the speed in rockings per minute, 1–120 rpm (figure 6).
- In the modes tab, choose the acceleration mode: **Gentle**, **Standard** or **Fast** (figure 7). The ***Home*** screen shows the mode as one, two or three arrows.

5.5.2. **TIME settings**.

- In the keypad tab, tap on hours or minutes in the top right corner to select them, then input the value, up to 999 h 59 min (figure 8).
- In the saved values tab (figure 9), tap a time value to apply it quickly. Three [+] in the bottom row are for saving the active time values for future use. To delete a custom value, tap and hold the value until it disappears.

5.5.3. **ANGLE settings**.

- In the angle tab (figure 10), input the rocking angle in degrees below the horizontal, 0–24° on each side.
- In the dwell tab (figure 11), input the dwell, the time the platform rests in the tilted position: 1–59 s or up to 99 min. Choose the units: minutes or seconds.
- The test key performs one full oscillation with the set values.

Note. By default, the left (L°) and right (R°) angle and dwell values are symmetrical and change together. To set them asymmetrically, tap the left or right value in the top right corner and enter a different value.

Caution! Speed and angle are limited by the operations envelope, see **9.5**. The parameter you set has priority: if the combination is outside the envelope, the unit adjusts the other parameter and shows a message. The display shows the maximum load for the set combination.

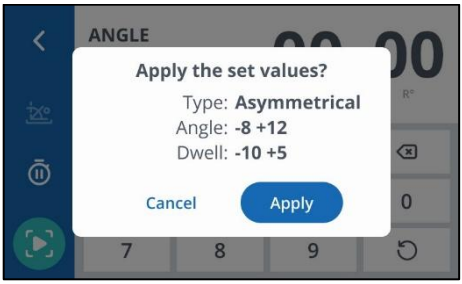


Figure 5. Confirmation window



Figure 6. RPM setting, keypad



Figure 7. RPM setting, acceleration modes

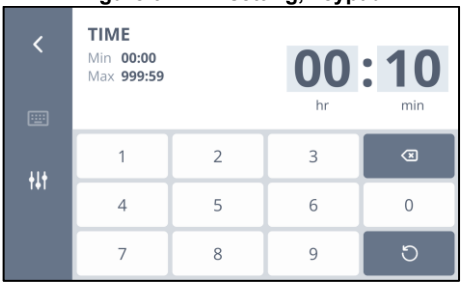


Figure 8. TIME setting, keypad

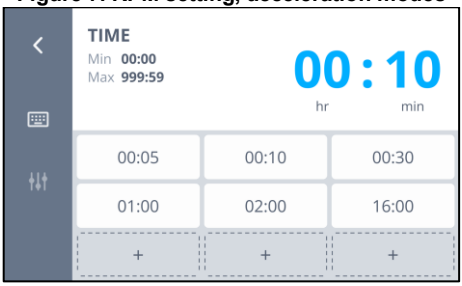


Figure 9. TIME setting, saved values



Figure 10. ANGLE setting, angle



Figure 11. ANGLE setting, dwell

5.5.4. **Inserting the samples.** Place the samples on the platform, balancing the load evenly on both sides of the platform axis, and secure them with the holding bands, if necessary.

Caution! Do not fill vessels directly on the unit.

Do not place any items between platform and body of the unit.

Do not overload the platform: the unit does not weigh the load, keep it within the maximum shown on the display.

For staining, destaining, solvent or acid work, use trays on the silicone mat and wipe spills promptly.

5.6. **Starting the operation.** Press either the key on the ***Home*** screen or the physical ►/■ key next to the display. The platform starts moving, the timer counts up the elapsed time and the progress bar fills (figure 12). The key changes to .

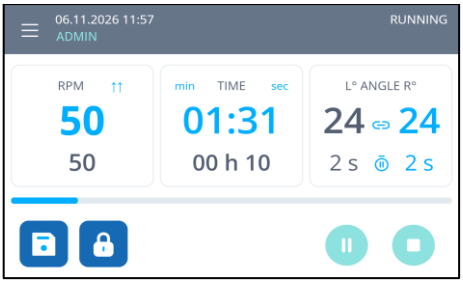


Figure 12. During operation

5.6.1. After the start, the parameter keys are locked: only **Start**/**Stop**, **Pause**, **Lock** and **Menu** stay active. To change parameters during a run, press to unlock. Speed changes are applied with a smooth ramp.

5.6.2. To pause the operation, press . To resume, press the blinking key.

5.6.3. When the set time elapses, the platform stops and the display shows an overlay screen (figure 13) with a repeating sound signal; dismiss both with a screen tap. The ■ key changes back to ▶.

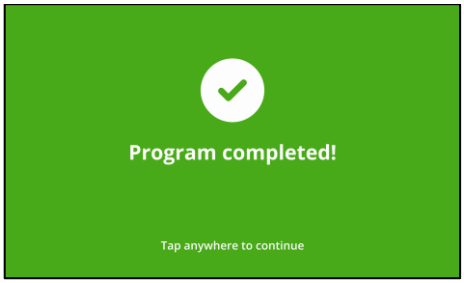


Figure 13. Program completed

5.6.4. If the time is set to 00:00, the operation continues until stopped manually, and the timer shows the elapsed time.

Note. After a short power interruption, the run resumes. After a longer one, the run stops with the warning W03 "Previous run interrupted", see **11.2.5**.

5.7. **Manual stop.** To stop the platform at any time, press ■ on the ***Home*** screen or the physical ▶/■ key. This resets the progress.

5.8. **Closedown.** After finishing the operation, set the **Power** switch, located on the rear panel of the unit, to position **O** (Off) and disconnect the power cable from the mains.

6. Operation – users and access

6.1. This section describes the user modes, accounts, login and logout.

6.2. By default, the unit works in Single-user mode. Multi-user mode allows up to 6 accounts (1 administrator and 5 users), each with its own 20 presets and 20 programs.

6.3. **Toggle the user mode**. Press ☰ in the top left corner of the ***Home*** screen, then **Settings** and **Users & Access** (figure 14). Choose a mode (figure 15) and confirm it (figure 16).

Note. Enabling Multi-user mode requires the administrator PIN (figure 17), **2704** by default.



Figure 14. Settings menu

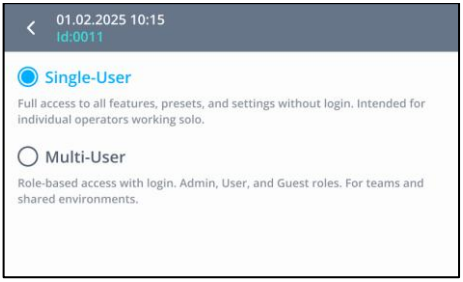
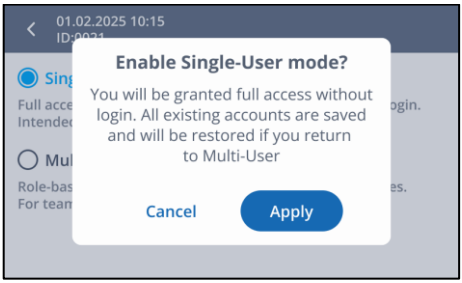
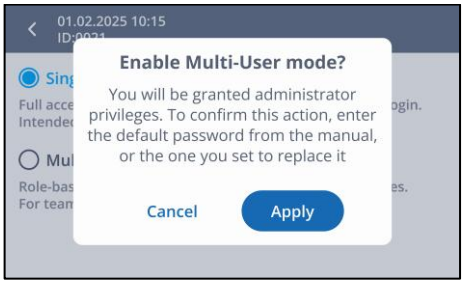


Figure 15. User modes



Single-user mode



Multi-user mode

Figure 16. Choosing the modes

6.4. **Single-user mode**. No login is needed: all features, presets and programs are available to anyone. Existing accounts are kept and restored when Multi-user mode is enabled again.

6.5. **Multi-user mode**. The administrator manages user accounts in **Users & Access** (figure 18).

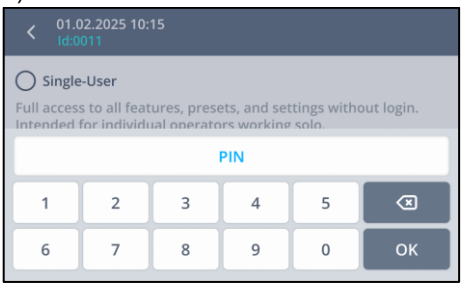


Figure 17. PIN entry



Figure 18. Administrator menu

- To create an account, choose **Users** and press ⊕ (figure 19). Enter the name and an optional 4-digit PIN (figure 20), then press **Create** (figure 21).
- To delete a user, select the username in **Users**: the user's screen shows the name and PIN. Press 🗑 and confirm (figure 22). The user's presets and programs are deleted and cannot be recovered.
- To return to Single-user mode, choose **Access** (figure 18), then **Single-User** (figure 15).



Figure 19. User list control screen



Figure 20. New user

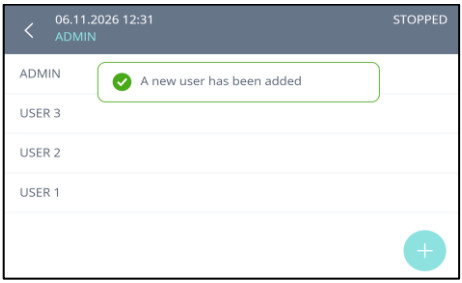


Figure 21. User added

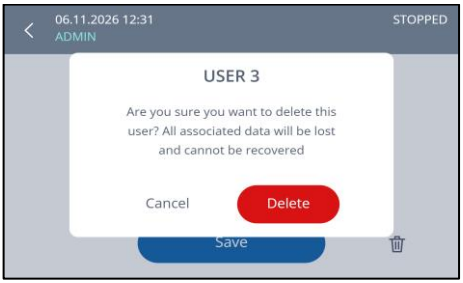


Figure 22. User deletion

6.6. **Login and logout**. On the ***Home*** screen, press the username in the top left corner. The user list opens (figure 23); marks accounts with a PIN.

- To log in, select a username and enter the PIN, if set. The username in the top left corner changes (figure 24).
- To log out, press **Exit** in the top right corner and confirm (figure 25).

Note. If no user is logged in, the unit uses the GUEST account (figure 26). GUEST has no access to **Logs & Data** (see **11.1.1**) and **Users & Access** (see **6.3**).



Figure 23. User list



Figure 24. Logged in

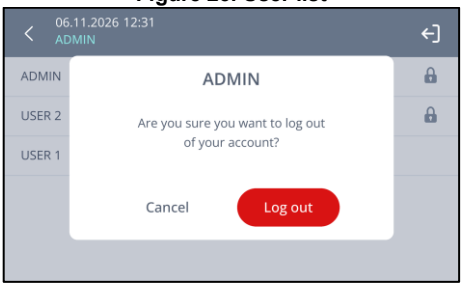


Figure 25. Logout confirmation

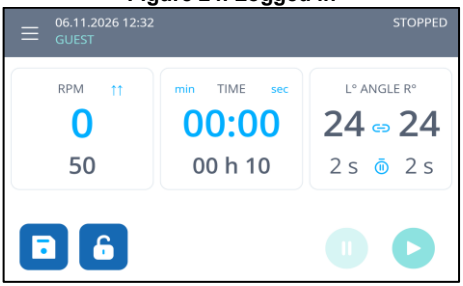


Figure 26. GUEST account

7. Operation – presets

7.1. This section describes creating, applying, renaming, sharing and deleting presets.

7.2. A preset stores all single-step parameters – speed, acceleration mode, time, angle and dwell – and applies them at once. Each account has its own presets, up to 20. The unit is supplied without presets.

7.3. **Creating a preset**. Set the parameters as described in **5.5** and press **Save preset** on the ***Home*** screen. Check the summary and press **Apply** (figure 27), then enter a name (figure 28) and press **OK**. A message confirms the new preset.

Note. A saved preset cannot be changed. To change its parameters, apply the preset, adjust the parameters and save them as a new preset.



Figure 27. Summary

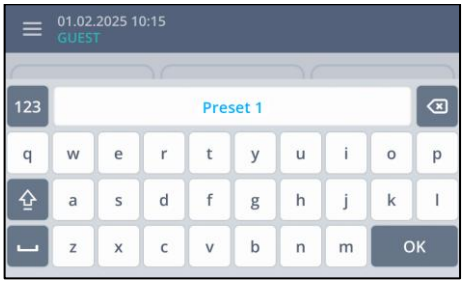


Figure 28. Naming

7.4. **Applying a preset**. Press in the top left corner of the ***Home*** screen and select **Presets** (figure 29). Press a preset to apply its parameters and return to the ***Home*** screen; the preset name appears in the top right corner (figure 30). Start the operation as described in **5.6**.

7.5. **Renaming, sharing and deleting presets**. In the **Presets** list (figure 29), press **Edit** in the bottom right corner, then select a preset. A menu appears (figure 31):

- **Rename** opens the keyboard to rename the preset (figure 28).
- **Share** opens the list of users (figure 32). Select a user to copy the preset to their list; the message "A new preset has been added" confirms it. Sharing is available in Multi-user mode only.
- **Delete** asks for confirmation (figure 33). A deleted preset cannot be recovered.
- Press to leave the editing mode.



Figure 29. List of presets

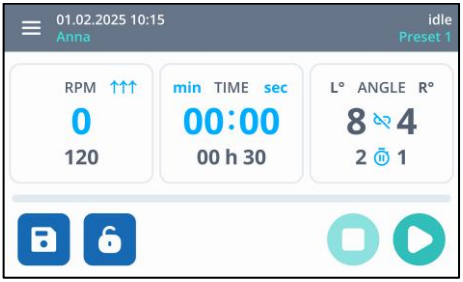


Figure 30. Applied preset



Figure 31. Edit preset

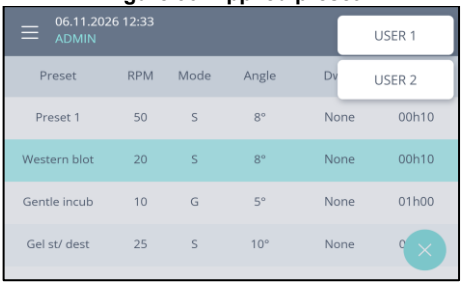


Figure 32. Share preset

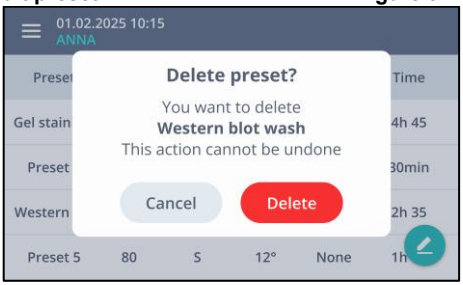


Figure 33. Confirm preset deletion

8. Operation – programs and cycles

8.1. This section describes creating, running, editing, sharing and deleting programs, and repeating steps in cycles.

8.2. **Programs**. A program runs a sequence of steps, each with its own speed, acceleration mode, time, angle and dwell. Cycles repeat a range of steps, e.g. steps 2–3 twice. The unit is supplied without programs.

8.2.1. Each account has its own programs, up to 20. A program holds up to 20 steps and 10 cycles; with cycle repeats, it runs up to 400 steps and 2000 h in total. Each step lasts up to 168 h and needs a set time: continuous operation (see **5.6.4**) is available for single runs only.

8.3. **Creating a program**. Press ☰ in the top left corner of the ***Home*** screen and select **Programs**. In the list of programs (figure 34), press ⊕ to create a new program (figure 35).

8.3.1. Each step has its own parameters. Press the **RPM**, **ANGLE**, **DWELL** or **TIME** key of a step to set them as described in **5.5**. To delete a step, press **−** at the end of its row.

8.3.2. The bottom row holds, from left to right:

- **Run** – starts the program, see **8.6**.
- Program name and total duration.
- **Save** – names and saves the program.
- **Cycles** – opens the cycle settings, see **8.4**.
- **Add step** – adds a step at the end, with the parameters of the last step.

8.3.3. After adding the steps and setting the values, press **Save** and name the program (figure 28). Naming needs at least one step with set values. A program must be saved before it can be run.

8.3.4. To exit without saving, press **<** in the top left corner. A pop-up appears: **Leave** discards the changes and returns to the list of programs, **Continue** returns to editing.

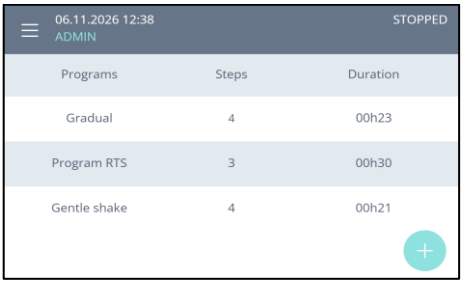


Figure 34. Program list

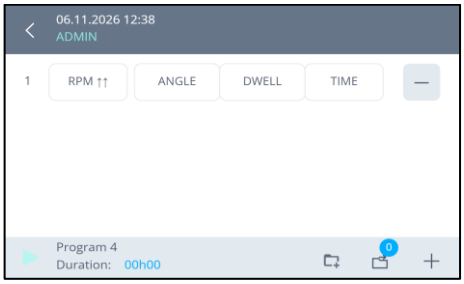


Figure 35. New program

8.4. **Adding cycles**. Cycles repeat a range of existing steps, so similar steps need not be added one by one. Cycles need at least 2 steps in the program. While editing the program, press **Cycles** (figure 36).

8.4.1. For each cycle, set the first step (**START**), the last step (**END**) and the number of runs (**REPEAT**). **+** adds a cycle, up to 10; **−** at the end of a row deletes it. For example, START 2, END 3, REPEAT 2 runs steps 2–3 twice (figure 37). Invalid ranges, e.g. from 3 to 1, are marked when you leave the cycle screen.

8.4.2. Press **<** in the top left corner to return to the program.

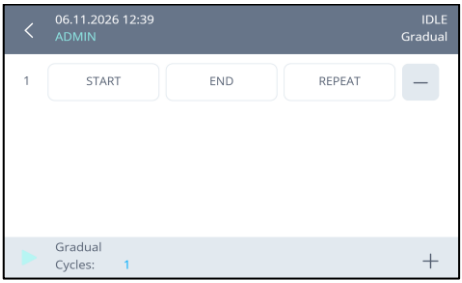


Figure 36. New cycle



Figure 37. Cycles added

Note. After a cycle, the program continues with the step that follows START: no step is skipped.

Example: a 4-step program with the cycle START 2, END 3, REPEAT 2 runs as 1–2–3–2–3–3–4.

8.5. **Editing, sharing and deleting programs**. In the list of programs (figure 34), select a program (figure 38) and press the three-dot key in the bottom right corner (figure 39):

- **Edit** returns to editing the steps and cycles, see **8.3.1**. To rename the program, press **Save** and enter a new name.
- **Share** copies the program to the selected user's list; a message confirms it. Sharing is available in Multi-user mode only.
- **Delete** asks for confirmation. A deleted program cannot be recovered.

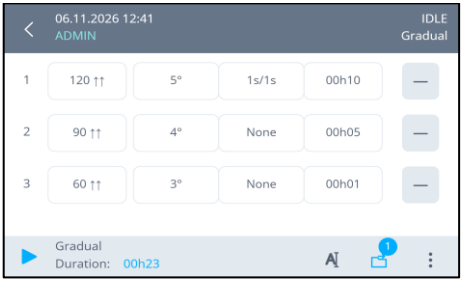


Figure 38. Saved program

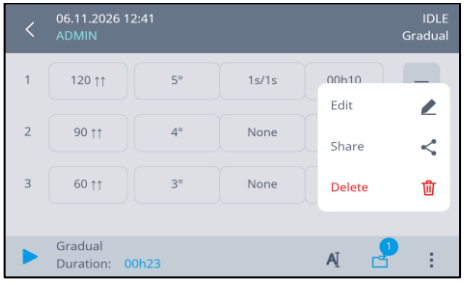


Figure 39. Editing menu

8.6. **Running a program**. Select a program in the list of programs (figure 34) and press **Run** in the bottom left corner or the physical ►/■ key next to the display. The bottom row shows the program name, the total duration and the elapsed time (figure 40). The program screen cannot be left during the run.

8.6.1. To stop the program early, press **Stop** in the bottom left corner or the physical ►/■ key.

8.6.2. When the program finishes, the display shows an overlay screen with a repeating sound signal (figure 13); dismiss both with a screen tap.



Figure 40. Running the program

9. Specifications

9.1. Biosan is committed to a continuous program of improvement and reserves the right to alter design and specifications of the equipment without additional notice.

9.2. **Movement specifications**.

Speed range ..... 1–120 rpm
Speed setting step ..... 1 rpm
Speed accuracy
- at 1–60 rpm ..... ±1 rpm
- at 61–120 rpm ..... ±2 rpm

Tilt angle ..... 0–24° on each side
Tilt angle setting step ..... 1°
Angle accuracy, symmetric load
- up to 4 kg ..... ±0.5°
- 8 kg ..... ±1.0°

Dwell ..... 1–59 s or up to 99 min
Acceleration modes ..... 3 (Gentle, Standard, Fast)

Caution! Maximum speed and tilt angle depend on the platform load, see **9.5**.

Motor ..... stepper
Drive ..... crank and connecting rod
Digital time setting
- single run ..... 1 min – 999 h 59 min, or continuous
- program step ..... up to 168 h
- program total ..... up to 2000 h

Digital time setting step ..... 1 min

9.3. **General specifications**.

Maximum load (see **9.5**)
- single-level platform ..... 8 kg
- with the second-level platform ..... 8 kg in total

Display ..... 5” capacitive touchscreen, 800×480 px
Platform working area, W×D ..... 280×320 mm
Dimensions with platform, W×D×H ..... 320×390×210 mm
Weight, accurate within ± 10% ..... 10.2 kg
Operating voltage ..... 100–230 V~ (± 10%)

Operating frequency ..... 50–60 Hz
Power consumption ..... 12 W
Fuse specifications ..... size Ø5 x 20 mm, type M 0.5 A
Noise level, at 1 m ..... ≤ 50 dB(A)
User accounts ..... up to 6 (1 administrator, 5 users)
Presets per account 20
Programs per account ..... 20, each up to 20 steps and 10 cycles

9.4. **Workroom requirements**.

Workroom description	Cold rooms, incubators (except CO_2 incubators) and closed laboratory rooms
Temperature range	+4 °C … +50 °C
Humidity requirements	Maximum of 80% RH at 31 °C, decreasing linearly to 50% RH at 40 °C. Non-condensing atmosphere.
Operating height, maximum	2000 m ASL
Overvoltage category	II
Pollution degree	2

9.5. **Load on the platform**. The maximum load depends on the speed and tilt angle (figure 41). The display shows the maximum load for the set values; the unit does not weigh the load.

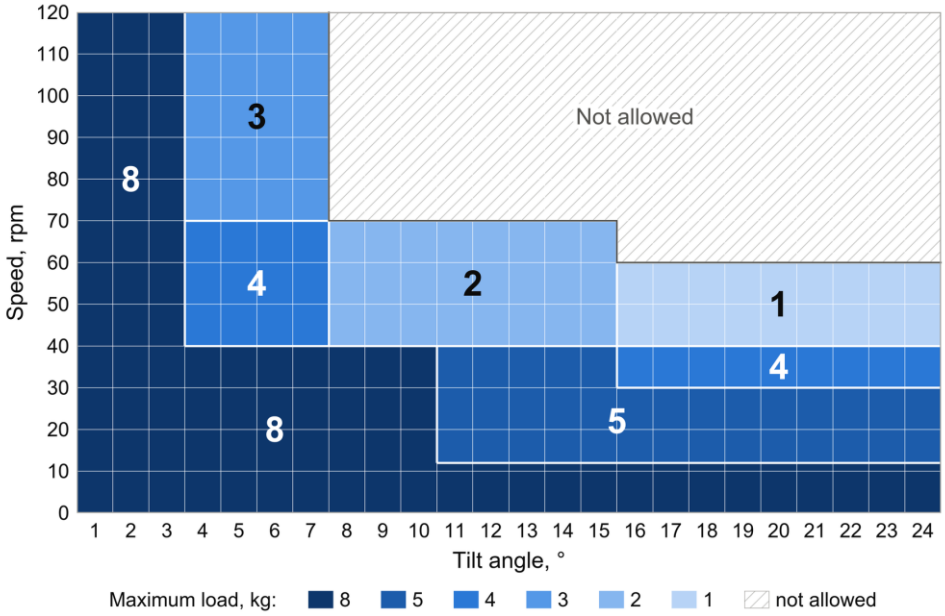


Figure 41. Operations envelope

9.5.1. Each zone shows the maximum load in kg; any smaller load is also allowed there. Zone limits are inclusive, e.g. at 11–24°, 8 kg is allowed up to 12 rpm. Combinations in the hatched area are not allowed: the unit adjusts the other parameter, see **5.5.3**.

10. Ordering information

10.1. Models and versions available:

Model	Version	Electrical parameters	Catalogue number
MR-6, Rocker-shaker	V.1Ax	100–230 V~ ±10%, 50–60 Hz, power cable with a regional plug	On request

10.2. To inquire about or order the optional accessories or the replacement parts, contact Biosan or your local Biosan representative.

10.2.1. Optional accessories and replacement parts:

Description	Catalogue number
Second-level platform	On request
PDM-L, dimpled mat (280×320 mm)	On request
Holding bands, set of 5	On request
Silicone mat, replacement	On request

11. Settings, care and maintenance

11.1. **Settings**. Press ☰ in the top left corner of the ***Home*** screen, then **Settings** (figure 14):

- **System** – date and time (figure 3), display brightness, **Sounds & Alerts** and **Review before applying**, which asks to confirm changes before applying them (figure 5).
- **Users & Access** – user modes and accounts, see section **6**.
- **Logs & Data** – the logs, see **11.1.1**.
- **Maintenance & Service** – for service personnel only.
- **About Device** – device information.

11.1.1. **Logs**. The unit keeps two logs on its internal memory card, the General log and the Error log, with 5000 entries each. When a log is full, each new entry replaces the oldest one. The logs can be viewed and sorted by user on the display only.

- The General log records power-on and date/time setting; adding, renaming and deleting users; login and logout; start, completion, stop and interruption of runs; creating, changing, renaming and deleting programs and presets.
- The Error log records warnings and errors with their details.

11.2. **Service**.

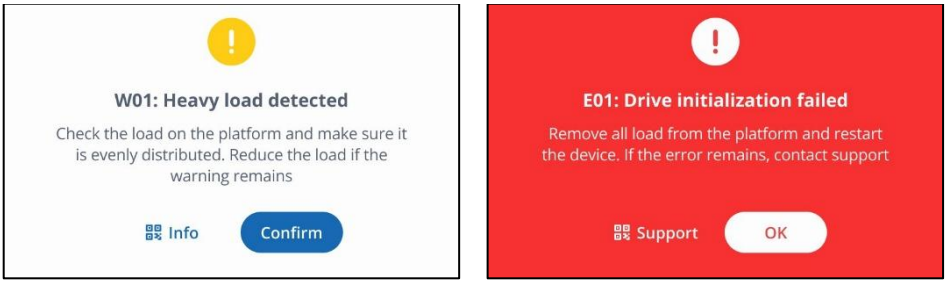
11.2.1. If the unit fails, e.g. the platform does not move or the display does not respond, or if it needs maintenance, disconnect it from the mains and contact Biosan or your local Biosan representative.

11.2.2. All maintenance and repair, except as described below, must be performed only by qualified and specially trained personnel.

11.2.3. The unit needs no scheduled maintenance. If grinding or knocking noises appear under normal load, switch the unit off and contact service. The recommended service life is 20 000 operating hours at an average load of 5 kg, about 10 years at 8 hours a day, 20 days a month.

11.2.4. **Operating integrity check**. If the unit works as described in sections **5**–**8**, no additional checks are required.

11.2.5. **Warnings and errors**. Warnings and errors appear on the display with a short solution (figure 42). **Info** or **Support** shows a QR code with Biosan contacts; **Confirm** or **OK** closes the message. Each message is also recorded in the Error log.



Warning **Error**

Figure 42. Warning and error message samples

Code	Message	What to do
W01	Heavy load detected	Check that the load is evenly distributed. If the warning remains, reduce the load.
W02	RTC error	Set the date and time, see **11.1**. If the warning repeats, switch the unit off and contact service.
W03	Previous run interrupted	The run stopped after a power interruption. Check the samples and start the run again.
W04	Storage device not detected	The logs are not recorded. Switch the unit off and contact service.
E01	Drive initialization failed	Remove all load from the platform and restart the unit. If the error remains, switch the unit off and contact service.
E02	Internal communication error	Restart the unit. If the error remains, switch the unit off and contact service.
E03	Device overheating	Switch the unit off and let it cool down. Check that the ambient temperature is within +4…+50 °C, see **9.4**. If the error remains, contact service.

11.3. **Cleaning and disinfection**.

11.3.1. Clean the outer surfaces with a soft cloth or sponge and water with a mild neutral detergent. Wipe with distilled water, then wipe dry.

11.3.2. To disinfect, use 70–75% ethanol on the white plastic and metal parts. Keep it off the display, the label around the display, the serial number label and the electrical connectors. Wipe the surfaces dry afterwards.

11.3.3. The silicone mat can be removed and washed separately.

11.4. **Fuse replacement**. Disconnect the power cable from the mains and from the socket on the rear panel. Pull the fuse holder out of the socket (figure 43), check the fuse and, if necessary, replace it with the correct type, see **9.3**.

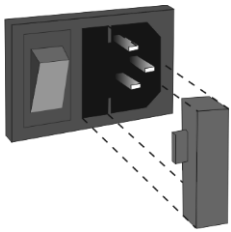


Figure 43. Fuse replacement

11.5. **Disposal of the unit**. The user is responsible for decontaminating the unit when it is taken out of service. Dispose of the unit as electronic equipment in accordance with the relevant national laws.

12. Storage and transportation

12.1. Store and transport the unit in a horizontal position (see package label) at ambient temperatures between −20 °C and +60 °C and maximum relative humidity of 80%.

12.2. After transportation, storage or condensation (e.g. after moving the unit out of a cold room), keep it at room temperature for 2–3 hours before connecting it to the mains.

12.3. For extended storage, the unit does not require special procedures.

13. Warranty

13.1. The Manufacturer guarantees the compliance of the unit with the requirements of Specifications, provided the Customer follows the operation, storage and transportation instructions.

13.2. The warranted service life of the unit from the date of delivery to the Customer is 24 months. For extended warranty, see **13.5**.

13.3. Warranty covers only the units transported in the original package.

13.4. If any manufacturing defects are discovered by the Customer, an unsatisfactory equipment report shall be compiled, certified and sent to the local distributor address. To obtain the claim form, visit the **Technical support** section on our website at the link below.

13.5. **Extended warranty**. For **MR-6**, the *Smart Plus* class model, one year of extended warranty is a paid option. Contact your local Biosan representative for additional information.

13.6. Description of the classes of our products is available in the **Product class description** section on our website at the link below.

Technical support

biosan.lv/en/support

Product class description

biosan.lv/classes-en

13.7. The following information will be required if warranty or post-warranty service becomes necessary. Complete the table below and retain for your records.

Model	Serial number	Date of sale
MR-6 Rocker-shaker		

13.8. **Production date**. Production date is placed in the serial number, on the label of the unit. Serial number consists of 14 digits styled XXXXXXYYMMZZZZ, where XXXXXX is model code, YY and MM – year and month of production, ZZZZ – unit number.

14. EU Declaration of conformity

14.1. Rocker-shaker **MR-6** is in conformity with the following relevant Union legislations:

LVD 2014/35/EU	**LVS EN 61010-1:2011 + A1:2019** Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements. **LVS EN 61010-2-051:2021 + A11:2021** Particular requirements for laboratory equipment for mixing and stirring.
EMC 2014/30/EU	**LVS EN 61326-1:2021** Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements.
RoHS3 2015/863/EU	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
WEEE 2012/19/EU	Directive on waste electrical and electronic equipment.

14.2. Declaration of Conformity is available on request.



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