

VITA vPad excellence

Instructions for use



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control



VITA – perfect match.

VITA

The control unit for high cost-effectiveness and efficiency



Dear Customer,

Congratulations and thank you for choosing the VITA vPad excellence for operation and control of the VITA ceramic firing furnace and the VITA high-speed sintering furnace.

The VITA vPad excellence is a state-of-the-art control unit that complies with all the international safety standards.

In order to ensure that you can operate the VITA vPad excellence safely and effectively, please read these instructions for use and all the relevant notices carefully. These instructions for use must always be kept close to the device. They must be read and used by all persons who operate, care for and maintain the system.

I wish you every success working with this VITA device.

Your product manager for VITA dental devices and accessories, VITA Zahnfabrik

Explanation of symbols:

 System/technology info

 Note

 Please note

 Process

 Modifiable parameters

 Hotline and support

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1. The system



Note:

- You can operate up to four firing units in combination with the vPad excellence. The following firing unit types can be combined:
 - Ceramic firing furnace: VITA VACUMAT 6000/6100 M
 - Combipress furnace VITA VACUMAT 6000 MP
 - High-speed sintering furnace VITA ZYRCOMAT 6100 MS
 or:
 - Ceramic firing furnace VITA SMART.FIRE/SMART.FIRE ADVANCED
 - High-speed sintering furnace VITA ZYRCOMAT 6100 MS
- For connecting two to four firing devices to the vPad excellence, you will need a VITA SWITCHBOX II.
- VITA MultiPump: an adaptor for operating 1-4 VITA vacuum firing devices with a vacuum pump for:
 - Ceramic firing furnace VITA VACUMAT 6000/6100 M
 - Combipress furnace VITA VACUMAT 6000 MP
- The VITA vPad excellence is compatible with the VITA SWITCHBOX II and the VITA MultiPump.

1.1 The control unit



Note:

- The VITA vPad excellence has two USB connections for transferring photos, firing programs or device updates.
- Images can be transferred directly from the camera to the VITA vPad via the SD card slot.

2. First use

2.1 Connection to the VITA VACUMAT 6100 M

(see also the VITA VACUMAT 6100 M instructions for use)

Connection for the VITA vPad comfort/VITA vPad excellence or VITA SWITCHBOX II



2.2 Connections of the VITA VACUMAT 6000 MP

(see also the VITA VACUMAT 6000 MP instructions for use)

Connection for VITA vPad comfort/
VITA vPad excellence or
VITA SWITCHBOX II



2.3 Connection to the VITA ZYRCOMAT 6100 MS

(see also the VITA ZYRCOMAT 6100 MS instructions for use)

Connection for the VITA vPad
comfort/VITA vPad excellence
or VITA SWITCHBOX II



2.4 Connection to the VITA SMART.FIRE ADVANCED

(see also the VITA SMART.FIRE ADVANCED instructions for use)

Connection for the VITA vPad excellence
or VITA SWITCHBOX II



2.5 Starting up the firing system of a device

Note:

- Please also refer to the installation and startup instructions in the VITA VACUMAT 6100 M/VITA VACUMAT 6000 MP/ VITA ZYRCOMAT 6100 MS or VITA SMART.FIRE instructions for use.
- Connect the supplied connecting cable with the VITA vPad excellence and the VITA VACUMAT 6100 M/ VITA VACUMAT 6000 MP/VITA ZYRCOMAT 6100 MS or VITA SMART.FIRE. ADVANCED.

2.6 Starting up the firing system with several devices

VITA SWITCHBOX II

- When starting up two or more VITA devices with one VITA vPad excellence and the VITA SWITCHBOX II, pay attention to the numerically identified connections of the VITA SWITCHBOX II.
- Pos. 1 of the VITA SWITCHBOX II ensures the power supply of the vPad excellence and must always be connected to a firing device that is switched on.

VITA MultiPump

- To supply up to four firing devices (VITA VACUMAT 6100 M or VITA VACUMAT 6000 MP) at the same time with one VITA vacuum pump use the VITA MultiPump.

2.7 Guided initial setup

- When you switch on the device for the first time, you will be automatically guided through all the important settings.
- Once this initial instruction has been completed, it can be repeated by resetting to the factory settings.
- The device automatically recognizes the connected furnaces.
- In VITA SMART.FIRE mode, only the VITA SMART.FIRE and VITA ZYRCOMAT can be operated together.
- If the device recognizes a VITA SMART.FIRE ADVANCED furnace, the operation of the VITA VACUMAT 6100 M and VITA VACUMAT 6000 MP is not possible.

3. Operation

3.1 Gesture controls of the control unit



Swiping

To go to the next desktop, swipe right or left on the desktop.



Zooming

You can enlarge or reduce photos or PDFs by using two fingers to expand or contract the items.



Scrolling

Swipe downwards or upwards to move between pages in a PDF.



Brief tap

By briefly tapping a firing program, for example, you open the firing window.



Long tap

With a long tap, you will call up the additional function such as the desktop editing menu or the button editing menu.



Rotating

Photos can be rotated by 90°.

3.2 System functions

The screenshot shows a control unit interface with the following labeled components:

- Home**: Home button (house icon)
- Instructions for use**: Information button (i icon)
- Settings**: Settings button (gear icon)
- Web browser**: Web browser button (globe icon)
- Current firing chamber temperature**: 180°C
- Standby temperature**: 355°C and 100°C
- Moving the lift plate up and down**: Lift plate control button
- Power**: Power button (power icon)
- Button**: A specific program button (e.g., YZ Mal-Fixler-Brand)
- Multifurnace overview**: Multifurnace overview button (SMARTFIRE icon)
- Profile change**: Profile change button (Profil neu icon)
- Desktop**: Desktop navigation buttons (left and right arrows)
- New desktop**: New desktop button (+ icon)
- Desktop change**: Desktop change button (STANDARD icon)
- Number of desktops**: 1 / 3

▶ 3.3 Power

💡 Tip:

- Pressing the button for at least two seconds shuts down the vPad and all connected furnaces.
- As long as a firing program is still active, the system cannot be shut down.
- It is switched on again using the power button on the furnace.



▶ 3.4 Moving the lift plate up and down

💡 Tip:

- By briefly tapping on the lift plate button, you move the lift plate to 100% up or down. With a long tap on the button, the lift plate is moved gradually up or down.
- If you are no longer using the firing device, for example, please close the furnace to prevent dust or moisture buildup in the combustion chamber.



▶ 3.5 Standby temperature

💡 Tip:

- When the temperature button is briefly tapped, the firing chamber is closed and the firing chamber temperature rises to the individually adjustable standby temperature. With a long tap on the button, the firing chamber is closed and the firing chamber temperature is preheated to the permanently set standby temperature (this cannot be changed). Once the standby temperature has been reached, it should be held for 20 minutes. The firing unit will then be ready for firing processes.



VITA AntiCon.

If the firing unit is switched off for an extended period of time, the firing chamber is heated for five minutes while slightly open the next time the firing unit is switched on and the standby temperature is activated. This allows the condensed water on the insulation to evaporate.

▶ 3.6 Home

💡 Tip:

- The Home button takes you to the start page. The start page shows you the first screen of the selected user.



▶ 3.7 Instructions for use and information



1 Tap the icon.



2 Select the desired file.

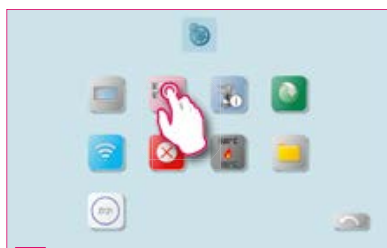
! Note:

- Here you can find the instructions for use for VITA devices, the instructions for use for VITA materials and additional information.

▶ 3.8 Settings



1 Tap the icon.



2 Select the respective setting option.

! Note:

- You have the option of making various individual settings.
- You can find detailed information on setting up your device in Chapter 4 SETTINGS.

▶ 3.9 Web browser



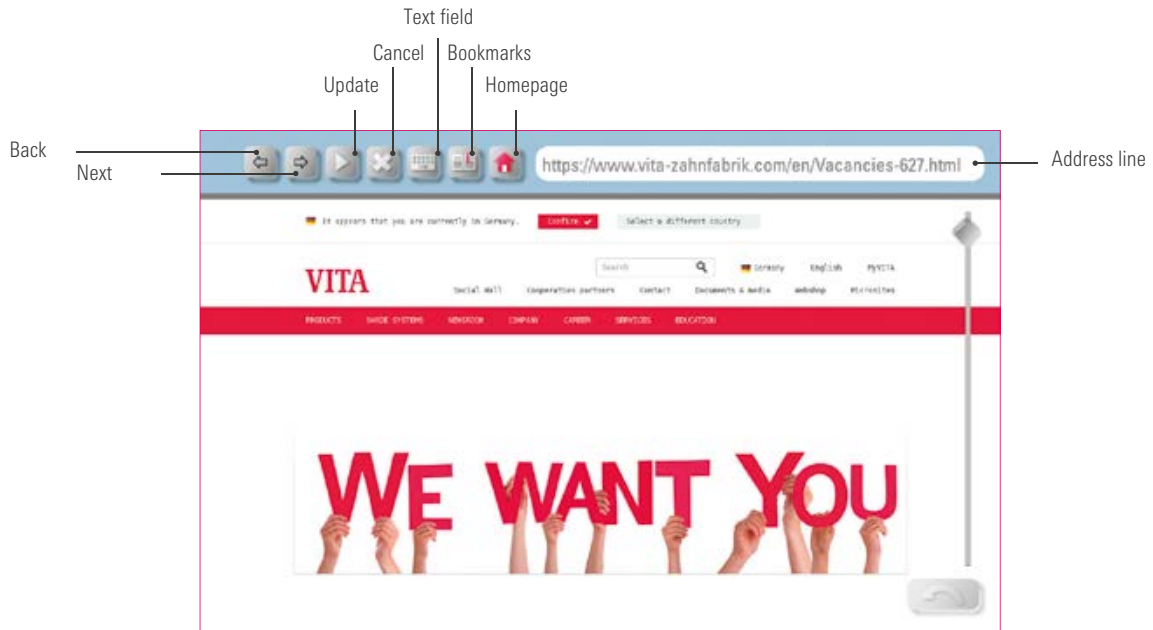
1 Tap the icon.



2 This takes you directly to the homepage of VITA Zahnfabrik.

! Note:

- You can call up web pages on the internet using the web browser.
- Information from the internet can be viewed directly in the vPad excellence.



Example: Call up web page and set bookmark



1 Call up web browser.



2 Click on address line.



3 Delete address line.



4 Enter target address and press Enter.



5 Set bookmarks.



6 Name bookmarks.



7 Generated link on the desktop.

3.10 Multifurnace overview



1 Tap the icon.



2 Select the desired furnace.



Note:

- Here you can see all firing devices that you can control using the VITA vPad excellence.
- Change firing device: To change the firing device, tap on the desired furnace. This will then be active and can be used. The active device is displayed in the main menu in the Multifurnace overview button.
- No firing active: If you press the firing device button, you will return to the overview of the firing devices.
- Firing active: If you press the firing device button, you will go directly to the selected firing program.

3.11 Changing a profile / creating a new profile



1 Select "Profile change."



2 Select the desired profile.

Note:

- Here you will find the profiles created in Profile Management. In this overview, you can change the profile.
- The VITA profile contains all VITA firing programs. These firing programs are not individually adjustable.
- You can create an individual profile by using the "+" symbol. You can graphically customize this profile and select the required firing programs.
- A long press on the profile takes you to the settings bar to edit the profile. You can find more information on this in 4.10 Profile settings.

3.12 Adding a desktop



1 Open the desktop overview.



2 Tap the icon at the end of the list.

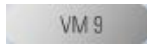


3 New Desktop

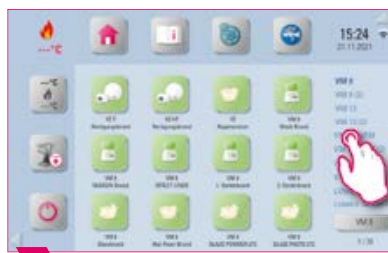
Note:

- Pressing the New Desktop button gives you a new desktop view.
- You can find detailed information on setting up your desktop in Chapter 5 Desktop management.

3.13 Changing the desktop



1 Tap the icon.



2 Select the desired desktop.

Note:

- The button shows you the name of the current desktop.
- The Change Desktop button makes it possible to select another desktop.
- Clicking the Change Desktop button gives you an overview of available desktops.
- Select the desired desktop directly.
- You can scroll through the desktops by swiping up or down.
- You can see the total number of desktops and your current desktop in the lower right area.
- A long press allows you to change the arrangement of the desktop and rearrange the desktop.

3.14 Adding a firing program



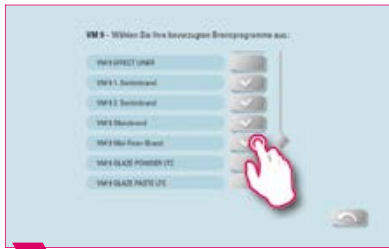
1 Press the "+" button.



2 Overview of available materials.



3 Select the required material.



4 Select the desired firing program.



5 Confirm your selection.



6 Create individual firing program.



7 Select a firing curve.

Note:

- You can add a firing program by pressing the "+" button.
- You can select various material groups with all available firing programs by placing a check mark beside the respective material group.
- If you only want to select individual firing programs of the material group, then press the button for the desired material to go to the overview of available firing programs.
- Then select the desired firing programs individually.
- You can create an individual firing program by pressing the "New Firing Program" button. You then have an overview of firing curves that can be individually selected.

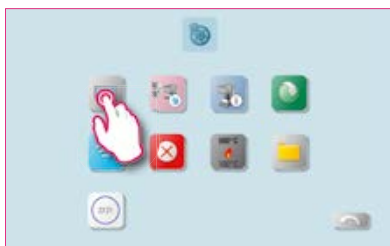
4. Settings



Note:

- Here you find information and setting options for the firing / sintering unit and the control unit.

4.1 Control unit settings



1 Select "Control unit settings."



2 Overview of setting possibilities on the control element.

Note:

- **Brightness:** You can adjust the brightness of the display in five levels.
- **Loudness:** You can adjust the volume in five levels.
- **Touch-tone:** You can turn the touch-tone on and off.
- **Restore settings:** Here all individual profiles and desktops can be permanently deleted and the factory settings can be restored. It is recommended that you save the profiles and desktops beforehand on a USB drive. After the reset, the guided initial setup is performed again.
- **Screen saver:** Here you can configure and activate the screen saver.
- **Contact information:** Here you will find the data protection declaration, declaration for the transmission of VITA offers, as well as the contact information form.
- **Data settings:** Date and time can be changed.
- **Country settings:** Temperature unit, time and date format and language can be set.
- **System backup:** Here you can perform a system backup on a USB drive or download an earlier backup from a USB drive.
- **System protection:** A password for the settings can be saved. If the "Settings" button is tapped again, a password query appears.
- **Delete web cache:** Entered web passwords, cache and cookies can be deleted.

4.2 Multifurnace overview and firing unit settings



1 Select "Multifurnace overview and firing unit".



2 Setting options in the device display.



Note:

- **Identification of the firing unit:** If the button is tapped, the light signal for the associated device lights up. The firing unit can be identified.
- **Device identification:** With a brief tap on the firing device button, the color identification of the firing unit can be changed.
- **Device name:** With a brief tap of the button, the name of the firing unit can be changed.
- **Change position of the firing devices:** You can change the position of the firing devices by tapping the button of the firing device to be moved until it becomes transparent. You can then move this to the desired position.

Firing unit settings



1 Select "Firing unit setting."



2 Select "Silver test."



Note:

Temperature calibration for VITA ZYRCOMAT 6100 MS

- To calibrate the temperature, please only use the VITA temperature calibration set provided by VITA and follow the instructions in the instructions for use.

Cleaning firing in the VITA ZYRCOMAT 6100 MS

- After about 300 operating hours, the message to conduct a cleaning firing is displayed.
- Press the "Execute" button to display the program and the "Start" button to activate it. Conducting the cleaning program is absolutely necessary if the oxide layer of the heating elements show flaking.
- Cleaning firing also acts as regeneration firing for the heating rods, as it restores the protective glass coating where necessary (please observe the "Sintering chamber cleaning program" section of the sintering furnace instructions for use for this process). If the oxide layer shows signs of severe flaking, or still shows signs of flaking after cleaning firing, repeat the cleaning firing process. We recommend continual inspection of the coating on the heating elements for flaking. If necessary, run the cleaning program before the system reaches the 300 operating hours.
- You can also start cleaning firing manually. To do this, press the "Execute" button and start the firing process.

Temperature calibration using the VITA VACUMAT 6100 M/6000 MP Silver Test:

- With the Silver Test program and the VITA Silver Test Set, you can test the temperature in the firing chamber and readjust within the range of plus / minus 40 °C.
- During a calibration, please carefully follow all instructions on performing the test with the silver probe (instructions in the Silver Test Set).
- A preset program is available for the calibration of the combustion chamber temperature. To test the firing chamber temperature using the silver probe, two program sequences are necessary:
The first program sequence must be performed at 955 °C (specified in the program). The silver may then be thickened only slightly. The second program sequence must be performed at 965 °C (temperature value must be entered). After this program sequence, the silver must be melted into a ball. Deviations within the range of plus / minus 40°C may be entered.
- Result of the Silver Test:
If the temperature is too low, correct the entry with the minus sign.
If the temperature is too high, enter the corrected value without a sign (automatic plus).
The correction value corresponds to about 1°C and is entered in the input field for temperature adjustment (offset).

Cleaning firing in the VITA VACUMAT 6100 M/6100 MP

- After about 100 operating hours, the message to conduct a cleaning firing is displayed. With this program, the firing chamber is heated up and contaminants can evaporate from the slightly opened firing chamber. We recommend carrying this firing process out regularly.
- You can stop the cleaning firing process at any time.
- You can also start cleaning firing manually. To do this, press the "Execute" button and start the firing.

▶ Sound settings



1 Select "Firing unit setting."



2 Select "Tone settings."

💡 Note:

- Here, various sound signals can be set: program start, program end, alarm / service notice. There are six freely selectable sound patterns available for these three sound signals.
- The tones can be tested using the "Program start" and "Program end" buttons.

▶ Standby temperature



1 Select "Firing unit setting."

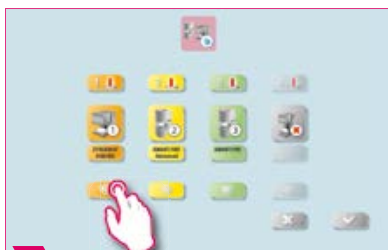


2 Set the standby temperature.

💡 Note:

- Here, you can change the standby temperature (Standby Temperature).

▶ Leak test



1 Select "Firing unit setting."

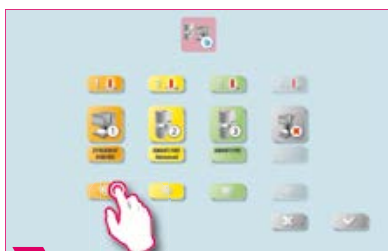


2 Press Leak Test

💡 Note:

- This function tests the vacuum tightness of the furnace.

▶ Lift speed



1 Select "Firing unit setting."



2 Adjust lift speed

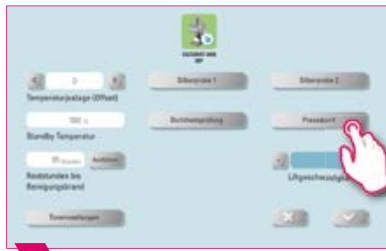
💡 Note:

- Here you can adjust the lift speed in five levels.

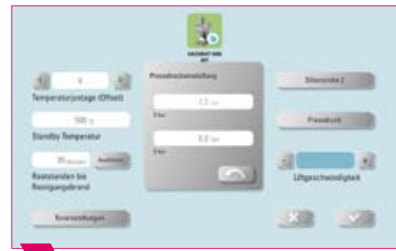
Pressing pressure settings



1 Select "Firing unit setting."



2 Select "Pressing pressure."

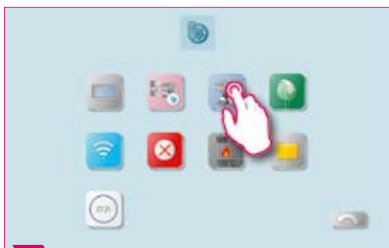


3 Adjust "pressing pressure."

Note:

- The VITA VACUMAT 6000 MP is provided with an automatic ventilation function. The setting of the pressing pressure ensures that the device automatically vents in between. This relieves residual pressure in the system and ensures that the pressure readings are correct. By activating the "5.0 bar" or "3.0 bar" field, you can carry out a venting manually.
 5 bar setting: Tap the "5 bar" field and set the higher pressing pressure (5 bar) with the built-in pressure regulator on the VITA vacuum pump.
 3 bar setting: Tap the "3 bar" field and use the pressure regulator on the back of the device to set the device to the lower pressing pressure (3 bar). Perform this pressure control slowly and wait at least four seconds to complete the pressure setting until the final pressure value is reached. Carry out the adjustment slowly.
- An excessively deviating pressure setting is displayed in the program. Confirm the message and the pressing process will continue.
- The pressure can be regulated again with a pressure regulator while the pressing program is running.

4.3 Device information



1 Select device information.



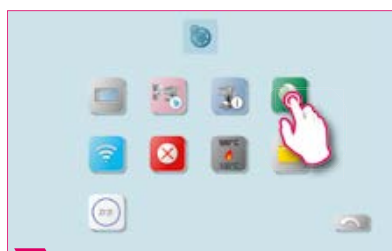
2 Device data display.

Note:

Export of device and process data:

- All the program sequences and operating data are automatically saved in the control unit. In the case of an unsatisfactory firing result or errors in the program sequence, you can export the operating data and device information to a USB drive and send it by email to instruments@vita-zahnfabrik.com for evaluation. To do this, connect an empty USB drive to the USB input and tap "To USB drive" to transfer operating data / device information to a USB drive.
- If you are connected to the WLAN network, you can tap on the "Send to VITA online" field. To do this, you must have saved your contact information in the device.
- You can use a USB drive to export the data for the program to analyze the process data (Firing Data System, FDS) to your PC.

4.4 Firmware update



1 Select firmware update.



2 Select desired update function.

Note:

Always keep your device up to date.

- You can use the "Update from USB drive" function to load an update file previously downloaded from the homepage onto your vPad excellence.
- You can use the "Online update" function to download an update directly from the VITA homepage. To do this, you need to connect your vPad excellence to the wireless network.
- When the "Auto-Update" function is activated, your device checks every time it is switched on whether an update is available and downloads it automatically.

4.5 WLAN configuration setting



1 Select "WLAN configuration."



2 Select an available network.

Note:

- By setting the WLAN function, you can select an available network, search for a network, switch off the WLAN function, or disconnect from an existing network.
- To establish an Internet connection, select the desired network and enter a network key if required.
- The WLAN function allows you to use the web browser, carry out updates online, synchronize the time, and if necessary, send data.

4.6 Abort setting 



1 Select "Cancel setting."

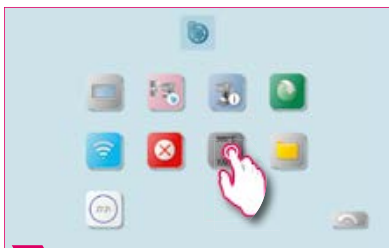


2 Set confirmation for canceling.

Note:

- The confirmation query "Should the firing program be stopped?" can be activated and deactivated when you wish to cancel a firing program.
- When this option is active, the firing process cannot be stopped prematurely until the message has been confirmed.

4.7 Setting temperature standby 



1 Select "Setting temperature standby."



2 Set temperature standby.

Note:

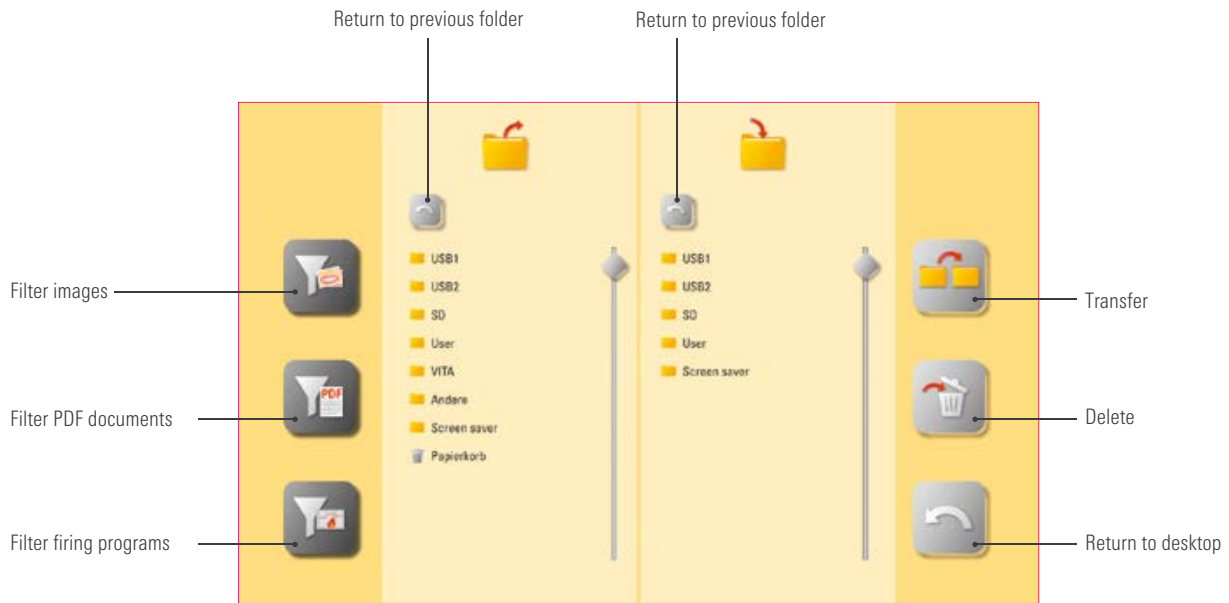
- In active standby mode (temperature standby), standby is always queried.
- In inactive standby mode (temperature standby), standby is not queried. This must be manually started.

Time of the standby mode query	Possible standby modes
Open firing program, no action, close firing program	Request Temperature standby/ no standby
Firing manually stopped, quit firing	Request Rapid cooling/temperature standby/no standby
Firing completed	Request Rapid cooling/temperature standby/no standby

Note:

- **Rapid cooling** is only active if the firing chamber temperature is 50 °C higher than the standby temperature. Then the lift remains in the lower position and the VITA vacuum pump is connected. After reaching the standby temperature minus 50 °C, the lift moves in and the firing chamber is heated to the standby temperature.
- **Standby:** Standby is activated.
- **No Standby:** Standby is not activated.

4.8 File Manager 



Note:

- File Manager for creating a custom profile, desktop and flexible file management.
- Firing programs, PDF documents and photos can be copied and deleted.
- The "VITA" folder contains all pre-installed firing programs for VITA materials, which you can transfer into the desired profile and onto a desktop.
- The "Other" folder contains pre-installed firing programs for other materials, which you can also transfer to the desired profile and onto a desktop.
- The "Screen saver" folder contains photos that can be called up by activating the screen saver.
- Open a photo in the File Manager with a long tap in the File Manager.
- Files deleted from the desktop are collected in the recycling bin and can be recovered as needed from this folder, or finally deleted.

Example: Transfer a firing program to the File Manager



1 Tap the File Manager.



2 Select the "VITA" folder.



3 Select the folder, for example, "VITABLOCS."



4 Select the firing, for example, "VITABLOCS GLAZE LT SPRAY."



5 Select the "User" file.



6 Select the "User" profile, for example.



7 Activate, for example, the "New screen" desktop.



8 Start the transfer.



9 Back to the "New screen" desktop.



10 Transfer completed.

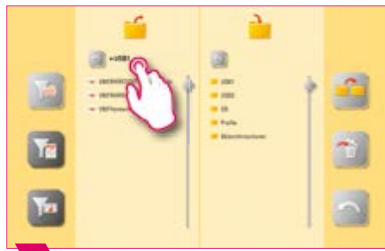
Note:

- Example of transferring the "VITABLOCS GLAZE LT SPRAY" firing program in the "User" profile to the "New Screen" desktop.
- To transfer a firing program in the File Manager, you must first create a new profile. The "VITA" profile and the associated desktop cannot be altered.

▶ Example: Import firing programs from a USB drive



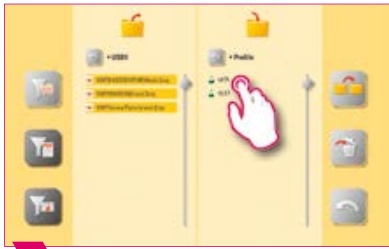
1 Select, for example "USB1."



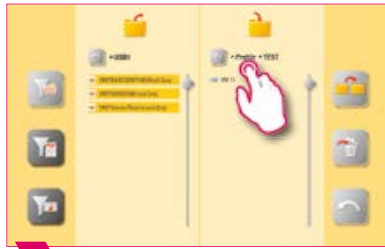
2 Mark the firing programs.



3 Press "Profile."



4 Select a profile.



5 Select desktop.



6 Confirm.



7 Firing programs have been imported.

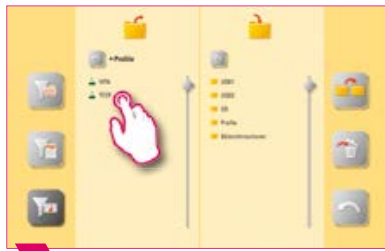
💡 Note:

- Select desktop.

▶ Example: Exporting firing programs to a USB drive



1 Select the "Profile" file.



2 Select a profile.



3 Select desktop.



4 Select the firing program you wish to export.



5 Select "USB1."



6 Confirm.



7 Firing programs have been exported.

💡 Note:

- No firing programs can be exported from the "VITA" folder.

▶ Example: Importing photos into the "Screen saver" folder



1 Select, for example, "USB 1" after you have connected the USB drive.



2 Mark the photos that you would like to transfer.



3 Select "Screen saver" file.



4 Confirm.

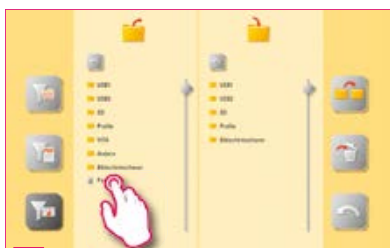


5 Transfer completed.

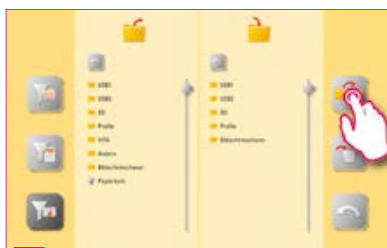
💡 Note:

- Example for importing photos into the "Screen saver" folder.

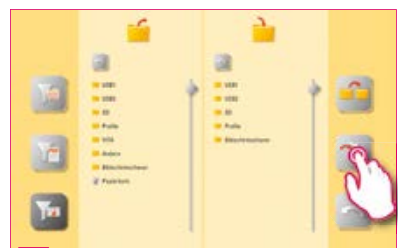
The recycle bin



1 Select the recycle bin.



2 Restore.



3 Permanently delete.

💡 Note:

- Clicking on the Recycle Bin folder takes you to the contents of the recycle bin.
- You can restore a deleted element by marking this element and pressing the transfer button.
- If you want to delete elements permanently, mark the respective element and go to the Delete symbol.
- If you want to empty the entire recycle bin, press the recycle bin until it is marked. Then go to the Delete symbol.
- Empty the recycle bin regularly to free up storage space.

▶ 4.9 SMART.VIEW SETTINGS



1 Select "Smart.view settings."



2 Set SMART.VIEW.

! Note:

- You have the option of choosing between two views during the firing process.
- If you activate SMART.VIEW, you will be shown the remaining time of the active firing.
- If you deactivate SMART.VIEW, you will be shown the course of the firing curve.
- In SMART.VIEW mode, you can go to the detailed view to look at the firing curve.

4.10 Profile settings 



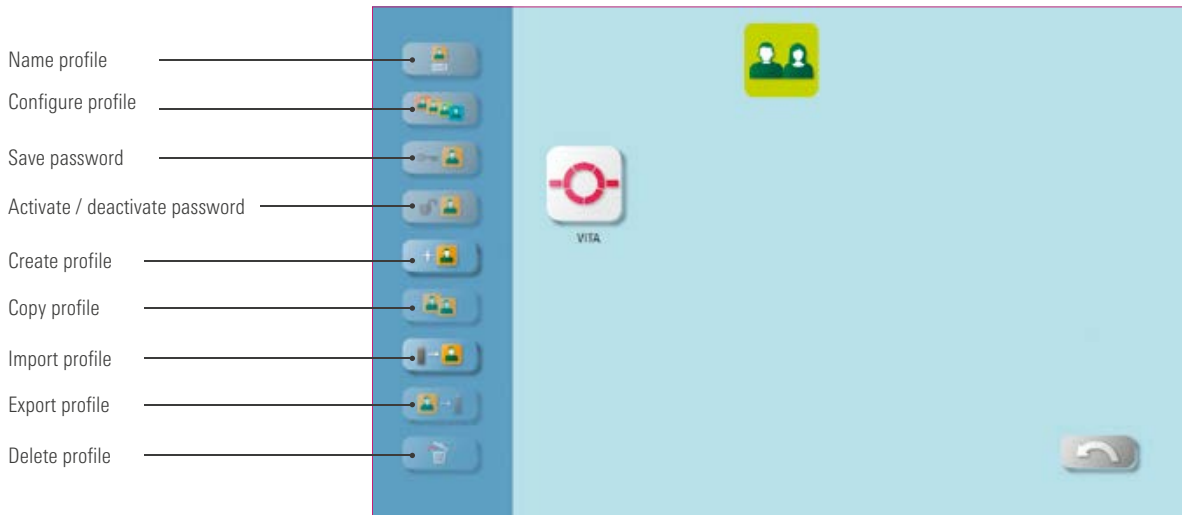
1 Select "Profile settings."



2 Select Profile.

Note:

- Press and hold the Profile icon to access the profile settings.



Note:

- You create an individual profile with the Profile Manager.
- You can rename this individual profile, configure it, protect it with a password and copy or delete it.
- You can import and export individual profiles.
- The "VITA" profile cannot be changed.

Example: Create a new profile



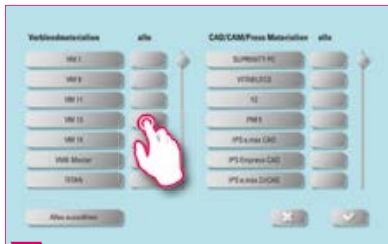
1 Click on "Create profile."



2 Name your profile.



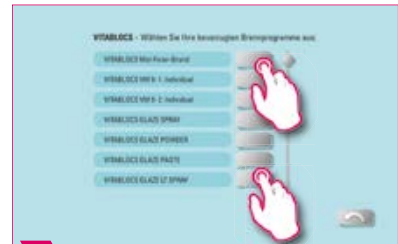
3 Configure your profile button.



4 For example, all VM13 firings are selected.



5 To select individual firings, tap the material button.



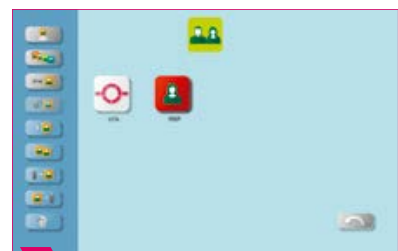
6 Select individual firings for VITABLOCS.



7 Tap "Back" as you wish.



8 Confirm your selection.



9 Newly created profile.



10 Automatically generated desktop for VITABLOCS.



11 Automatically generated desktop for VM13.

Note:

- Selecting the firing programs will automatically generate one or more desktops for the newly created profile.
- Desktops always have the color of the profile button as the background color.

▶ Example: Renaming a profile



1 Select a profile and then click on "Rename profile."



2 Name your profile.

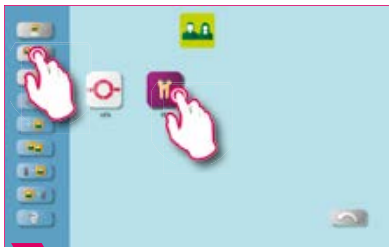


3 Unnamed profile.

💡 Note:

- Example for renaming a profile.

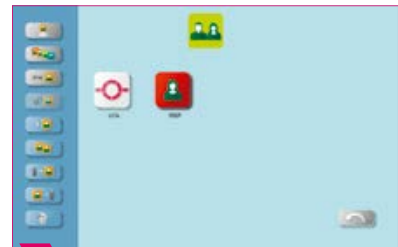
▶ Example: Configuring a profile



1 Select a profile and then tap "Configure profile."



2 Configure your Profile button.

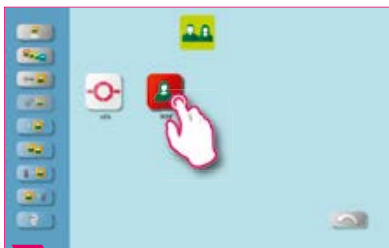


3 Configured button.

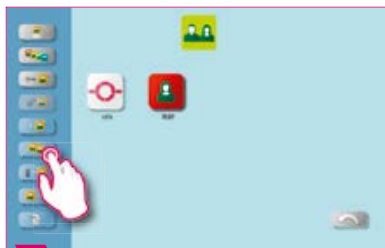
💡 Note:

- Desktops always have the color of the profile button as the background color.
- If you change the profile button color, all subsequently created desktops are assigned the same color as the background color.
- Using different colored profiles (and desktop colors), you immediately recognize your own profile. This reduces the danger of accidentally using the wrong profile.

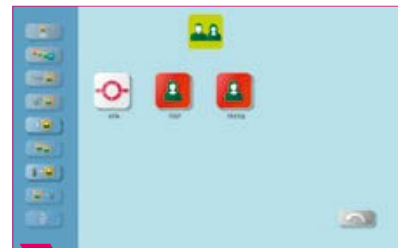
▶ Example: Copy profile



1 Select the profile that is to be duplicated.



2 Click on "Copy profile."

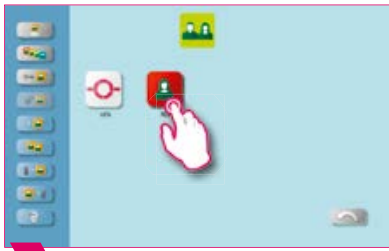


3 Final duplicated profile button.

💡 Note:

- Example for copying a profile.

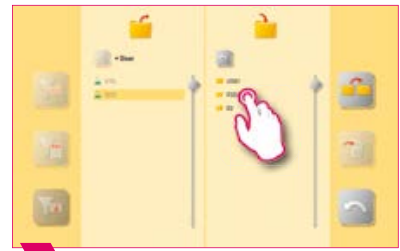
Example: Export profile



1 Select the profile that is to be exported.



2 Click on "Export profile."



3 Select the USB access.



4 Select "Transfer."

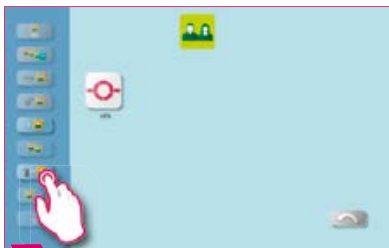


5 The desired profile has been exported.

Note:

- Connect a USB drive to the vPad to export a profile.

Example: Import profile



1 Select "Import profile."



2 Select the USB access.



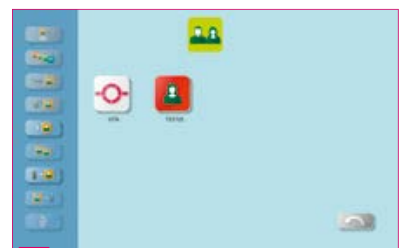
3 Select profile.



4 Confirm the action.



5 Select "Back."



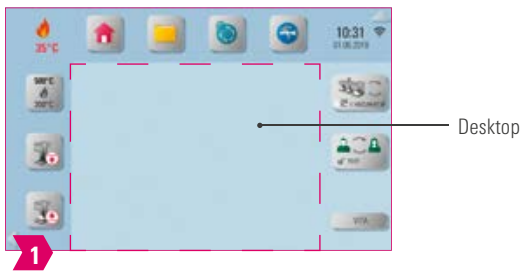
6 Imported profile.

Note:

- Connect a USB drive with the vPad to import a profile.



5. Desktop management



Note:

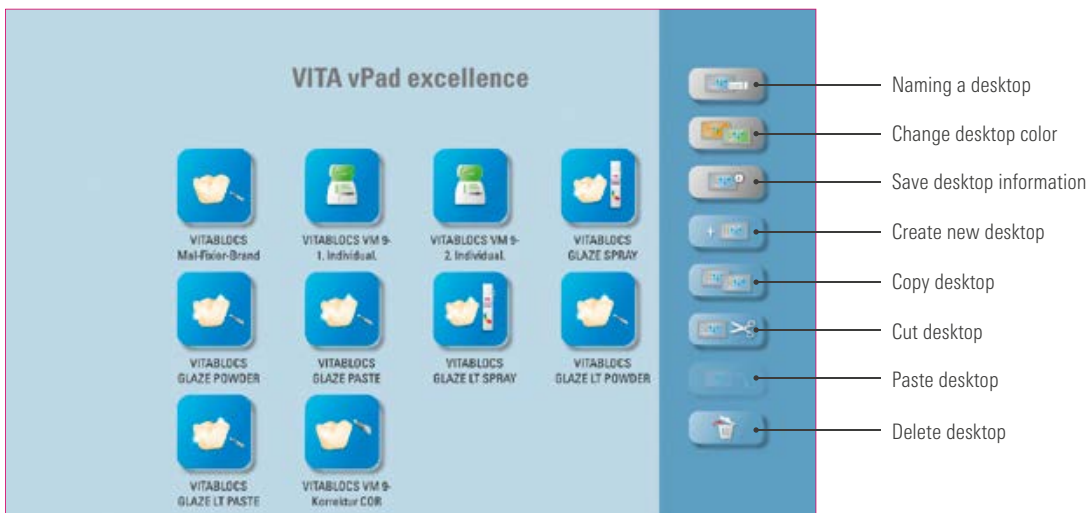
- The area outlined in magenta is the desktop. This is the workspace where firing programs, photos, PDFs and bookmarks from the web browser can be stored.

5.1 Desktop editing menu



Note:

- Press on the desktop and hold until the desktop editing menu appears. You can hide the desktop by briefly tapping it.



Note:

- The desktop editing menu is used to manage all desktop functions.
- For fast setup and customization of the desktop.

5.2 Name desktop 



1 Press on the desktop and hold until the desktop editing menu is activated.



2 Select "Naming the desktop."



3 Enter the desktop name.



4 Tap the desktop to close the editing menu.



5 Renamed desktop.

 Note:

- This function allows you to assign your own name to the desktop.
- For customized allocation of the desktop according to patient or indication.

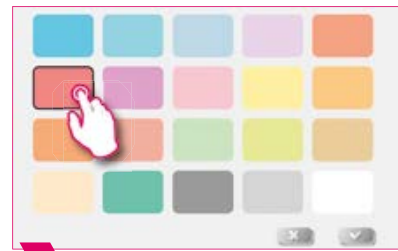
5.3 Change desktop color 



1 Press the desktop and hold until the desktop editing menu is activated.



2 Select "Change desktop."



3 Select desktop color.



4 Tap the desktop to close the editing menu.



5 Final changed desktop color.

 Note:

- Determination of the background color for each individual desktop.
- To more easily distinguish between multiple desktops, thanks to clear color coding.

5.4 Save desktop information



1 Press on the desktop and hold until the desktop editing menu is activated.



2 Select "Save desktop information."



3 Tap the input field.



4 Now you can save information to the desktop.



5



6 The "Info Symbol" next to the desktop name shows that information has been saved to this desktop.

Note:

- You can store information about the desktop here.
- This function gives you access to all information about the desktop in one location.

5.5 Creating a new desktop



1 Press the Add desktop button.



2 Select "Create new desktop."



3 Added desktop.

Note:

- When you create a new desktop, a new workspace with twelve possible buttons is created.

5.6 Copy desktop 



1 Press on the desktop and hold until the desktop editing menu is activated.



2 Select "Copy desktop."



3 Press on the desktop and hold until the desktop editing menu is activated.



4 Select "Paste desktop."



5 Copy of the desktop.

 Note:

- This function allows you to duplicate the desktop. The name of the copied desktop is indicated by a number in parentheses, for example (2).
- You can change a duplicate desktop while retaining the original, for example.

5.7 Cutting a desktop 



1 Press on the desktop and hold until the desktop editing menu is activated.



2 Select "Cut desktop."



3 Select new desktop and active the editing menu.



4 Select "Paste desktop."



5 Repositioned desktop.

 Note:

- This feature allows you to place the entire desktop in a new location to customize the desktop sequence.

▶ 5.8 Pasting a desktop

! Please note:

- This function is only active in combination with the desktop copy function and the desktop paste function.

▶ 5.9 Delete desktop



1 Press on the desktop and hold until the desktop editing menu is activated.



2 Select "Delete desktop" to delete the current desktop.

! Note:

- This function can free up memory if the desktop is not reused.
- If the desktop has been deleted by mistake, it can be restored from the Recycle Bin folder in File Manager.



6. Button management

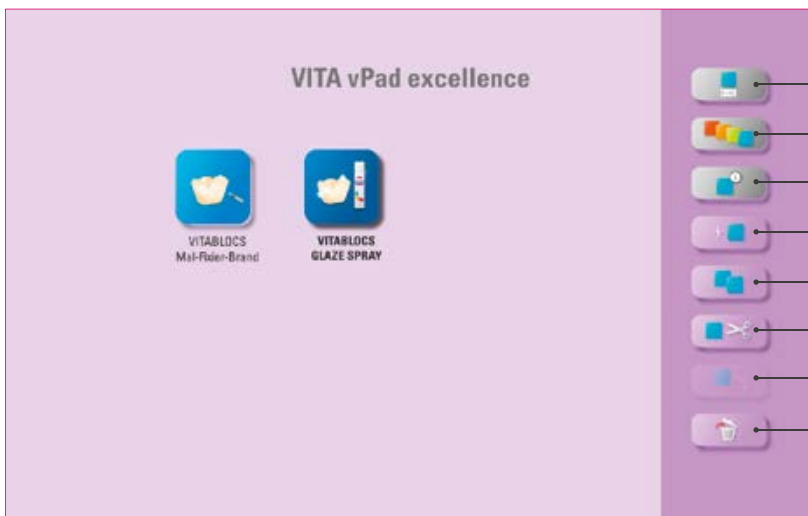
6.1 Button editing menu



1 Hold down the button until the button editing menu is activated.



2 Tap the desktop area to close the editing menu.



- Name a button
- Configure a button
- Save button information
- Create new firing program
- Copy button
- Cut button
- Paste button
- Delete button

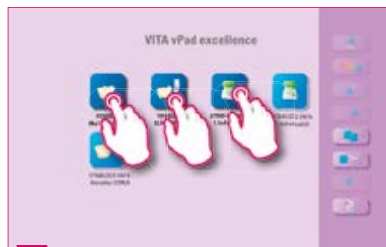
Note:

- Available functions of the button editing menu.

6.2 Multi-selection



1 Hold down the button until the button editing menu is activated.



2 Multiple buttons can be selected for an action.

Note:

- You can select up to twelve buttons at the same time and perform an action for these buttons. The "Name button", "Configure button" and "Button information" buttons are disabled when multiple buttons are selected.

6.3 Moving a button



1 Hold down the button until it becomes transparent and then move it.

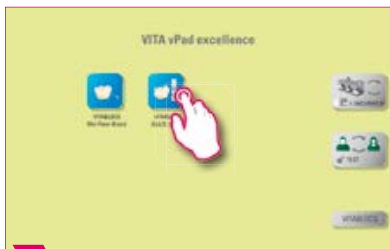


2 Repositioned button.

Note:

- This function allows you to reposition the button on the desktop.
- You can rearrange the buttons to meet your needs.

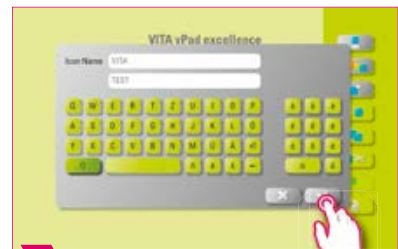
6.4 Naming a button



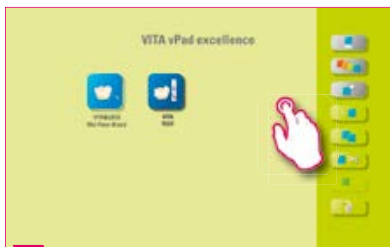
1 Hold down the button until the button editing menu is activated.



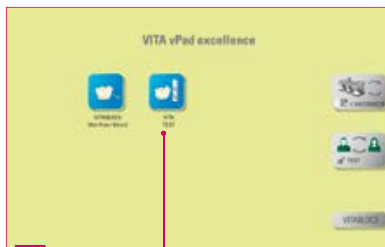
2 Select "Name button."



3 Enter button name.



4 Tap the desktop to close the editing menu.



5 Named button.

Note:

- This function allows you to change the name of the button.
- You can choose personalized and familiar names.

6.5 Configuring a button



1 Hold down the button until the button editing menu is activated.



2 Select "Configure button."



3 Select the icon and background color.



4 Tap the desktop to close the editing menu.

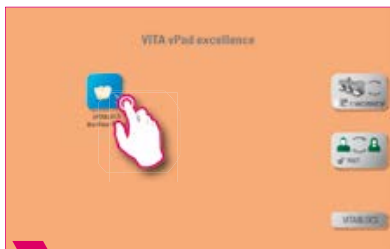


5 Configured button.

Note:

- This function allows you to freely select icons and background colors for firing programs.
- For the individual design of the firing program buttons.

6.6 Save button information



1 Hold down the button until the button editing menu is activated.



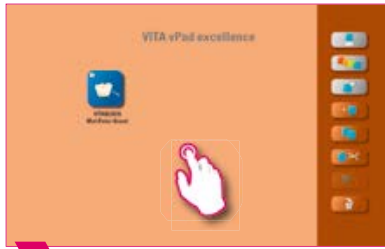
2 Select "Save button information."



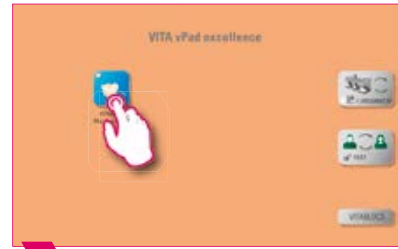
3 Tap the green field to activate the input field.



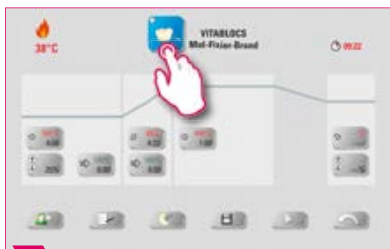
4 Add your own information about the button.



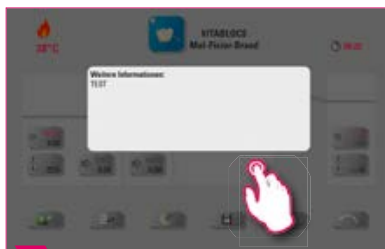
5 Tap the desktop to close the editing menu.



6



7 Tap the button to see the saved information.



8 Tap a "dark" area to close the window.



9

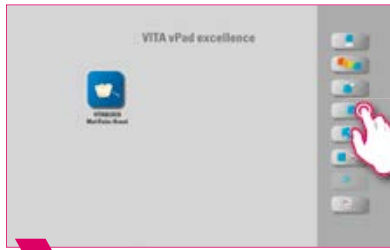
Note:

- You can store information about the button and access it anytime.
- For example, if you want to change firing parameters, you can link this information directly to the button.

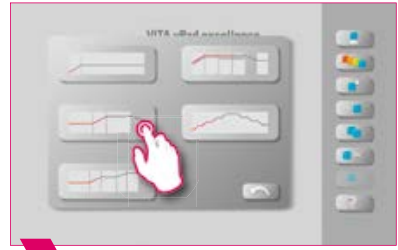
6.7 Creating a new firing program 



1 Hold down the button until the button editing menu is activated.



2 Select "Create new firing program."



3 Choose between firing curve types.



4 Tap the desktop to close the editing menu.



5 Final added firing program.

Note:

- This function allows you to create and customize firing programs.
- In addition to the "Create new firing program" function, a button with predefined firing parameters can also be created via the File Manager.

Firing curve types

Pre-drying curve = e.g., drying stained zirconium restorations

One-stage curve = Standard firing curve for most firing programs on the market

Two-stage curve = Special program, e.g., IPS e.max CAD crystallization

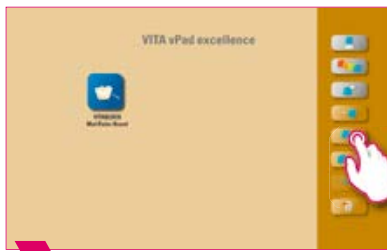
Pressing curve

Sintering curve

6.8 Copying a button



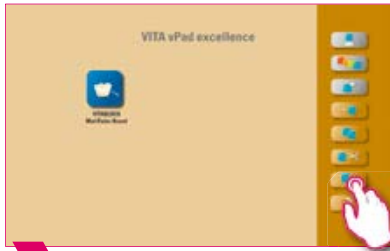
1 Hold down the button until the button editing menu is activated.



2 Select "Copy button."



3 Select desktop and activate button editing menu.



4 Select "Paste button."

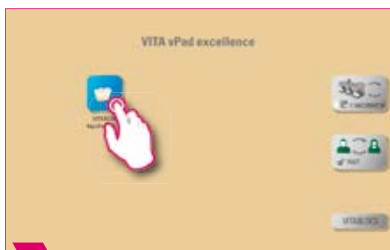


5 Copied button.

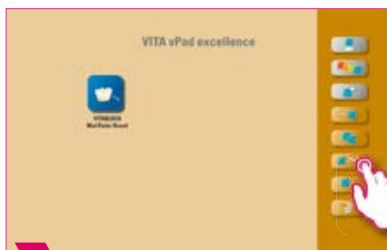
Note:

- This function allows you to copy the button to any number of desktops. The original firing program button remains available. The name of the copied button is indicated by a number in parentheses, for example (2).
- You can copy an original firing program, for instance, and then modify it. The original firing program remains unchanged.

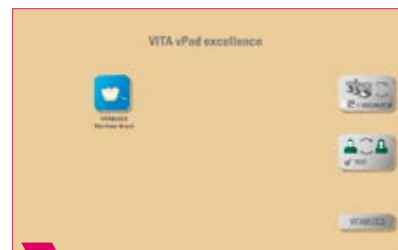
6.9 Cutting a button



1 Hold down the button until the button editing menu is activated.



2 Select "Cut button."



3



4 Select desktop to which the button is to be added.



5 Activate button editing menu.



6 Cut button.

Note:

- You can cut out a button and reposition it.
- This eliminates the time-consuming task of restoring a modified firing program.

6.10 Pasting a button 

Note:

- This function is only active in combination with the cut function and the paste function.

6.11 Deleting a button 



1 Hold down the button until the button editing menu is activated.



2 Select "Delete button."



3 Deleted button.

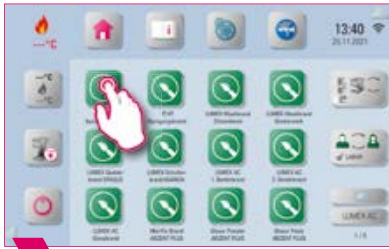
Note:

- This function deletes the selected button.
- This function can free up memory if the button is not reused.
Accidentally deleted buttons can be restored in the File Manager from the Recycle Bin source folder.



7. Firing window

7.1 Firing program: one- and two-step curve



1 Select firing program.



2 Multifurnace: Press and hold the firing program button to move it if you want to use another firing device.



3 Briefly press firing program to go to the firing window.



4 Firing window with single-stage curve.

Current firing chamber temperature (---°C)

Firing program time (14:36)

Pre-drying temperature (380°C 6:00)

Rise time / gradient (50°C 7:36)

Firing temperature and holding time (750°C 1:00)

Cooling temperature (500°C)

Pre-drying lift position (0%)

Cooling lift position (75%)

Assistance function (Pre-vacuum, Main vacuum, Night mode, Save, Start / stop program, Back)

Process data (100% 0:00, 100% 7:36)

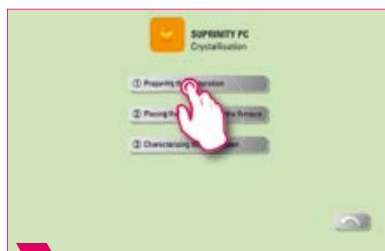
Note:

- Modified parameters will affect the active firing process. If you want to make permanent changes to the firing programs, you will need to save them.
- Process data: Used for quality assurance and traceability.
- Night mode: Tapping the button activates the night program, i.e., after a firing program runs, the lift moves back in after the firing chamber temperature sinks to 200 °C, and the display and heating are switched off. To switch the device back on, turn the main switch off and then on again. Night mode must be activated before starting a firing program.
- The two-stage firing curve has an extra gradient/rise time and firing temperature/holding time compared to the single-stage curve.
- If the furnace is connected individually, the firing program overview opens after briefly tapping the firing program.
- If several furnaces are connected, the multi-furnace selection opens after the selection of the firing program.
- In the multi-furnace selection, the firing program is set to the first furnace available for this type of firing.
- If another furnace is to be used, hold down the firing program and move it to the next available furnace.
- Now briefly tap the firing program, and the firing window will open.

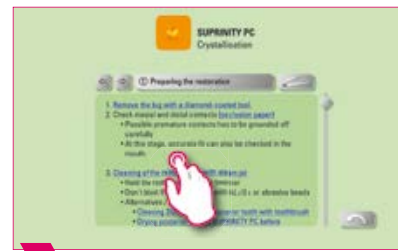
Assistance function



1 Tap the assistance function.



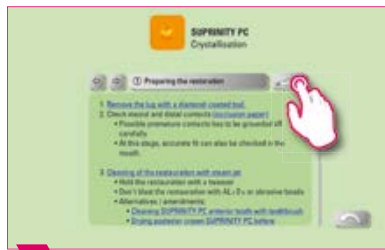
2 Select, for instance, item 1 "Prepare restoration."



3 Tap on a word highlighted in blue to open an image / video.



4 Example: articulating paper.



5 Choose this option to open the material overview for the "Prepare restoration" item.



6 Choose this option to open the "Prepare restoration" video overview.



7 Video overview for the "Prepare restoration" item.

Note:

- Software-based assistance function for supported step-by-step firing.
- This function assists you by providing step-by-step instructions for the "Prepare restoration," "Restoration in the furnace" and "Rework restoration" functions.

▶ Process data

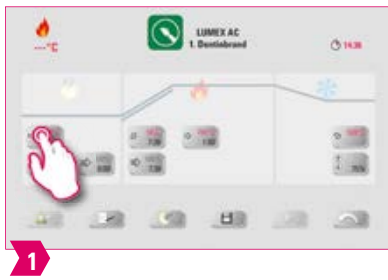


1 Tap on the process data.

! Note:

- A function that allows quality assurance and traceability.
- Job number, name, notes, profile, material name, firing program name, firing program data, target and actual values, device type, device serial number, date and time of the firing process are automatically saved.
- Data can later be exported to a USB drive and transferred to the firing data management program FDS (Firing Data System) on the PC.

▶ Pre-drying temperature / pre-drying time



1



2

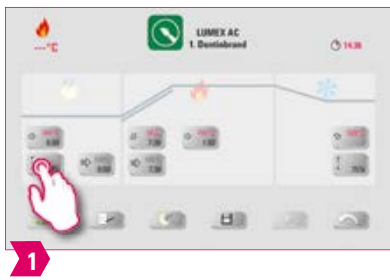
🔥 Modifiable parameters:

- Pre-drying temperature: 60°C – 800°C
- Pre-drying time: 00:00 min – 60:00 min

! Note:

- The possible values to enter are displayed above the number field.
- Pre-drying is used for evaporating processed fluids prior to the actual firing process.

▶ Pre-drying lift position



🔥 Modifiable parameters:

Lift position:

- Value c: highest lift position entry: min. value b - max. 100%
- Value b: middle lift position entry: min. value a - max. value c
- Value a: lowest lift position entry: 0% - max. value b

Adjusting the lift position:

- Enter lift position in % and accept by choosing "Confirm" or
- move the lift into the desired position using the arrow button and save the value by choosing the "Enter" button.

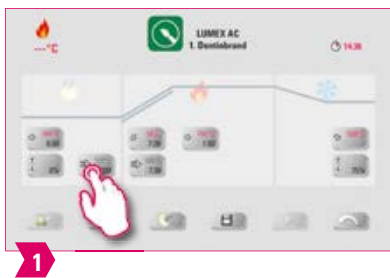
Confirming time value for position:

- Tap the input field for time a or b and enter time.
- Value for c is determined automatically.

! Please note:

- The time values for the individual lift positions depend on the total pre-drying time.
- Together, the settings for individual time values cannot add up to more than the total pre-drying time.

▶ Pre-vacuum



🔥 Modifiable parameters:

Pre-vacuum time: 00:00 min – 60:00 min

💡 Note:

- The "Pre-vacuum" setting enables you to build up the vacuum in the firing chamber before the temperature rise is active.
- Entering the time 00:00, will switch off the pre-vacuum.
- The possible values to enter are displayed above the number field.
- Special ceramics can be fired using the pre-vacuum.

➤ Rise time/gradient



🔥 Modifiable parameters:

- Rise time: 00:05 – 120:00 min
- Rise gradient: 2 °C/min – 120 °C/min

💡 Note:

- The rise time is automatically calculated and adjusted after the pre-drying temperature or firing temperature is entered.
- Once one of the gradient or rise times has been entered, the other will be calculated and adjusted automatically. The actual values to enter are displayed above the number field.
- For the two-stage firing curve, the same procedure applies to the program values in the second rise time for entering and changing the values.
- For reliable firing results with a good degree of gloss and correct color reproduction.

➤ Main vacuum



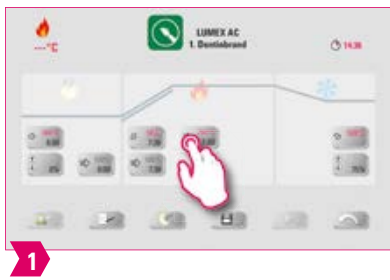
🔥 Modifiable parameters:

- Main vacuum time: 00:00 min – 180:00 min
- Vacuum value: 0% - 100%
- Starting temperature: min. pre-drying temperature – max. firing temperature

💡 Note:

- The time values for switching the vacuum pump on and off are dependent on the indicated program values. If the final temperature or the pre-drying temperature changes, the vacuum time is then adjusted to the rise time.
- Recommendation: First set the temperature parameters and finally the vacuum.
- The max. vacuum time is calculated from the rise time, plus the holding time at the final temperature.
- The possible values to enter are displayed above the number field.
- The main vacuum extracts air that would otherwise be trapped in the ceramic and can render it cloudy with a milky appearance.

▶ Firing temperature and holding time



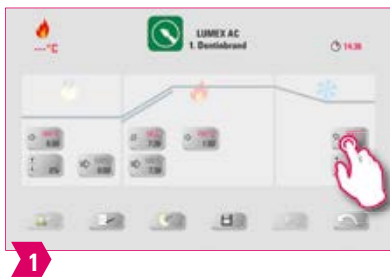
🔥 Modifiable parameters:

- Firing chamber temperature: pre-drying temperature plus 10°C – 1200°C
- Holding time: 00:00 min – 60:00 min

💡 Note:

- The possible values to enter are displayed above the number field.
- For the two-stage firing curve, the same procedure applies to the program values in the second rise time for entering and changing the values.
- For reliable firing results with a good degree of gloss and correct color reproduction.

▶ Cooling temperature



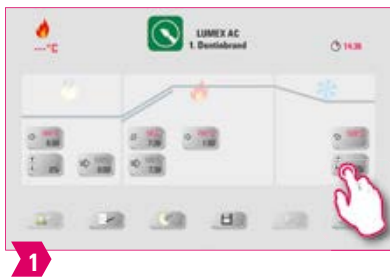
🔥 Modifiable parameters:

- Cooling temperature: 60°C – 900°C, or holding temperature minus 10°C
- Entered value 0 – 60:00 min

💡 Note:

- The "Activate cooling" button is automatically activated when the temperature or time is entered and must then be pressed. The possible values to enter are displayed above the number field.
- Deactivate cooling: Press "Activate cooling" button.
- For slow cooling of the restoration to prevent thermal stress on the material.

▶ Cooling lift position



🔥 Modifiable parameters:

- Cooling lift position: 0 % – 100 %

💡 Note:

- The possible values to enter are displayed above the number field.
- This is for adjusting the speed at which the cooling temperature is reached. The smaller the furnace opening, the slower the cooling.

▶ Linear cooling



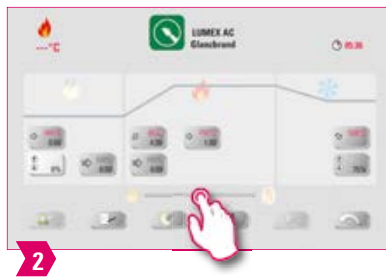
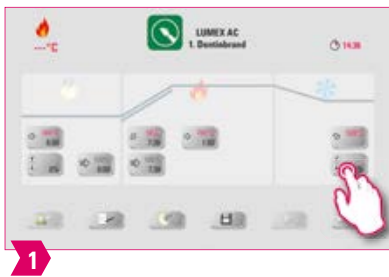
🔥 Modifiable parameters:

- Object temperature: 60 – 1190°C
- Cooling time: 0:00 – 60:00 min
- Gradient: 10 – 250 °C/min

Note:

- Linear cooling is only possible with the VITA VACUMAT 6100 M and VITA SMART.FIRE ADVANCED devices.
- The possible values to enter are displayed above the number field.
- Temperature calculation: the temperature of the fired object is estimated based on the firing chamber temperature and the lift position; it is not directly measured.
- Automatic adjustment: After the last holding phase, the furnace monitors the cooling rate in the closed firing chamber. If the combustion chamber cools faster than the set gradient, the heating is activated to slow down the cooling process. If the cooling of the combustion chamber is slower than the set gradient, the lift is opened and the cooling rate is controlled by the lift position.
- Since the temperature of the load is only calculated, a draft can influence the actual temperature and cause it to deviate from the calculated temperature.
- For the two-stage firing curve, the same procedure applies to the program values in the second rise time for entering and changing the values.

Gloss level function



Note:

- The gloss of the restoration can be adjusted using the gloss level function.
- Sliding the gloss level regulator to the right increases the gloss.
- Sliding the gloss level regulator to the left reduces the gloss.
- This function is only available for the gloss firing programs of the VITA materials.

7.2 Firing program: pressing curve



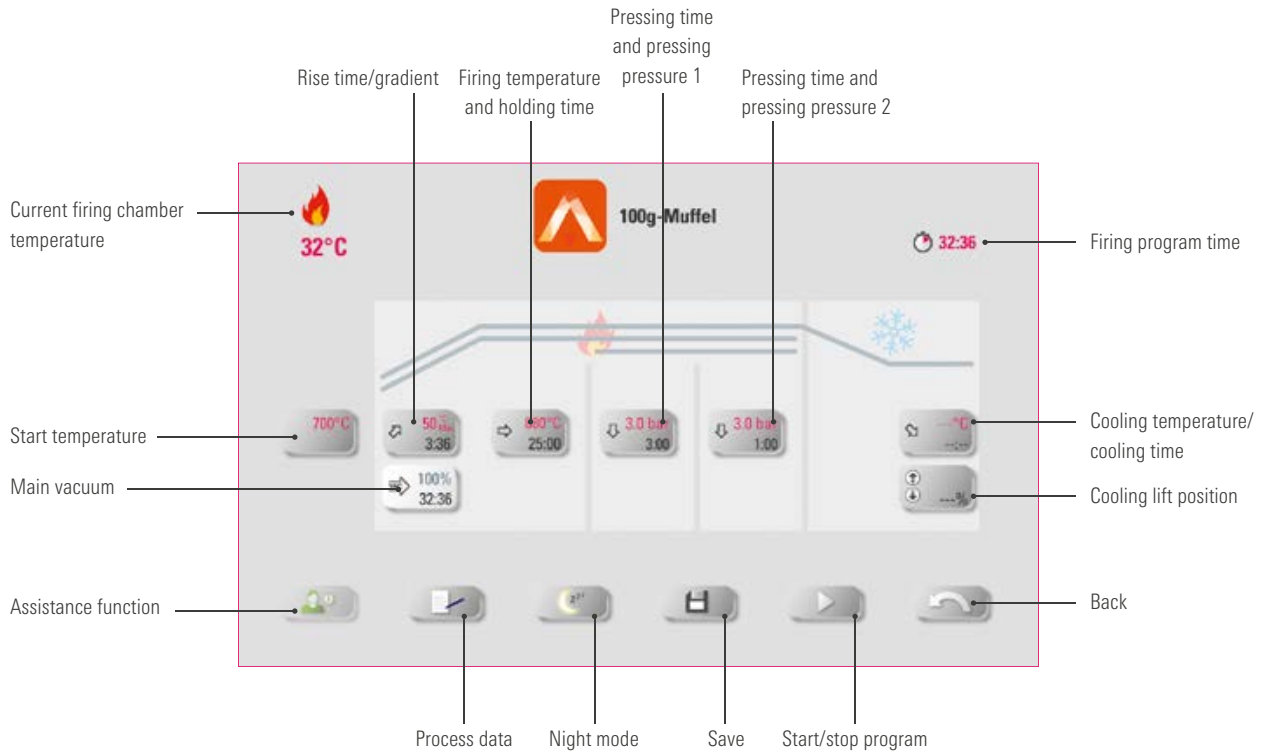
1 Select pressing program.



2 Multifurnace: Press and hold the firing program button to move it if you want to use another firing device.



3 Briefly press firing program to go to the firing window.



Note:

- Modified parameters will affect the active firing process. If you want to make permanent changes to the firing programs, you will need to save them.
- Night mode: Pressing the button activates the night program, i.e., after a firing program runs, the lift moves back in after the firing chamber temperatures sinks to 200 °C, and the display and heating are switched off. To switch the device back on, switch the main switch off and then on again. Night mode must be activated before starting a firing program.
- All buttons (except for Start temperature, Pressing time / pressure 1, Pressing time / pressure 2) are described under 7.1.
- The main vacuum cannot be altered in the pressing program. The vacuum is controlled automatically throughout the entire pressing time.
- If the furnace is connected individually, the firing program overview opens after briefly tapping the firing program.
- If several furnaces are connected, the multi-furnace selection opens after the selection of the firing program.
- In the multi-furnace selection, the firing program is set to the first furnace available for this type of firing.
- If another furnace is to be used, hold down the firing program and move it to the next available furnace.
- Now briefly tap the firing program, and the firing window will open.

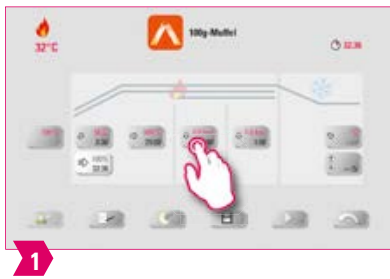
Start temperature



Note:

- Start temperature: 60°C – 800°C
- The possible values to enter are displayed above the number field.

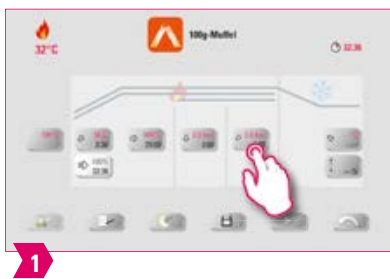
▶ Pressing time and pressing pressure 1



⚠ Note:

- Pressing time: 00:00 min – 120:00 min
- Pressing pressure: The pressing pressure is changed using the "Change pressing pressure" button.
- The indicated pressing time 1 is automatically ended if the pressing stamp has reached its final position and there is no more measurable path change. Then it switches automatically to Pressing Time 2.

▶ Pressing time and pressing pressure 2



⚠ Note:

- Pressing time: 00:00 min – 120:00 min
- Pressing pressure: The pressing pressure is changed using the "Change pressing pressure" button.
- Pressing time 2 runs in accordance with the set time.

▶ Starting the pressing program



1 Start pressing program without pressing object.



2 Confirm the message. This causes the lift plate to move to the bottom position.



3 Once you have inserted the pressing material, confirm the message. The lift plate will move into the firing chamber.

⚠ Note:

- While the pellet is moving in, the pressure cylinder will move temporarily in and out. If the pellet count is wrong, a message is displayed after retraction.
- Red curve: temperature; light gray curve: vacuum; black curve: pressure.

7.3 Firing program: sintering curve



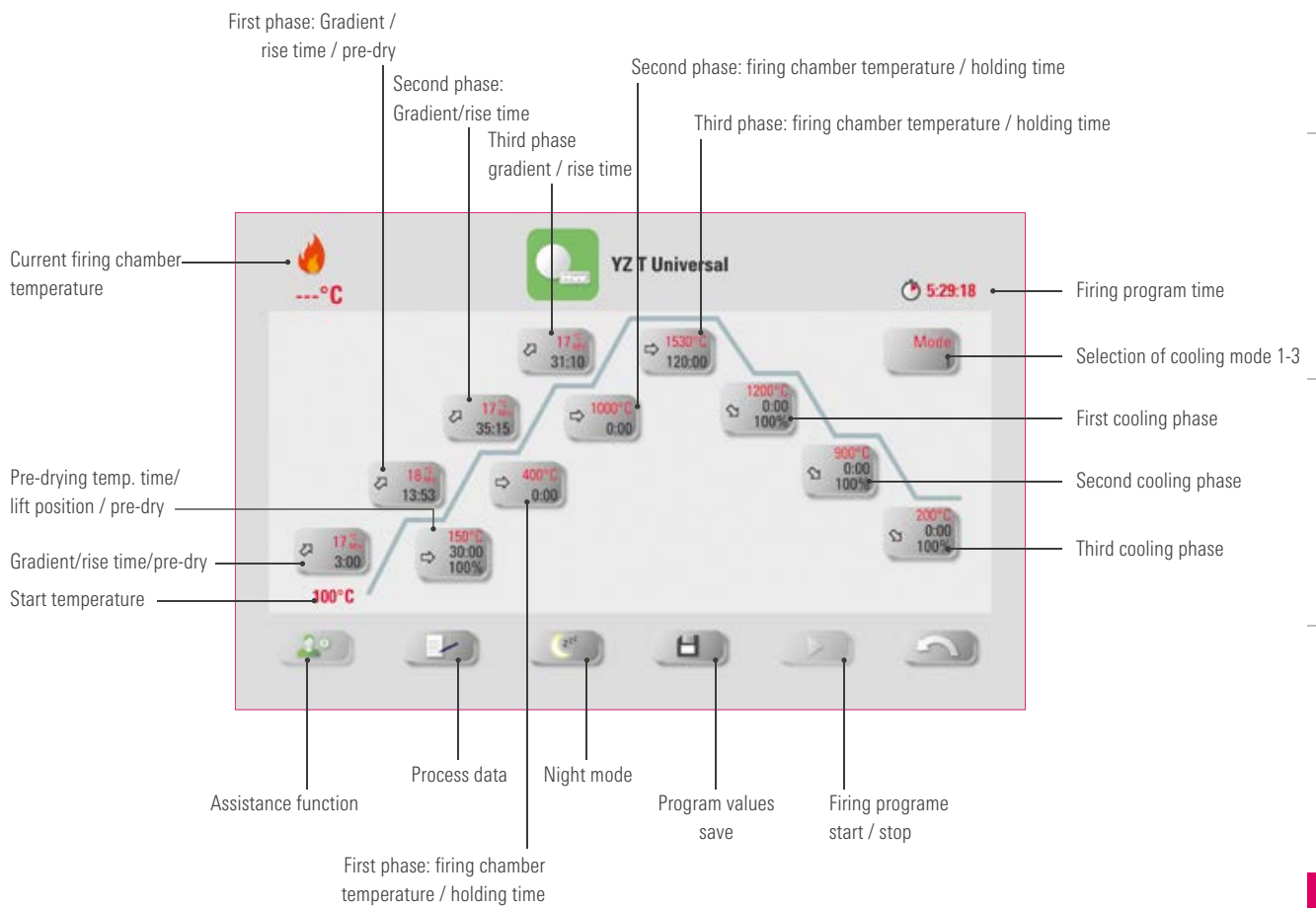
1 Select sintering program.



2 Multifurnace: Press the firing program and hold and move if you want to use another firing device.



3 Briefly press firing program to go to the firing window.



Note:

- Modified parameters will affect the active firing process. If you want to make permanent changes to the firing programs, you will need to save them.
- You can find the description of the buttons on the lower border of the display under 7.1.
- In high-speed mode (gradients of more than 20°C/min), the heating elements are subject to very high loads. A shortened operating time must be reckoned with.
- If the furnace is connected individually, the firing program overview opens after briefly tapping the firing program.
- If several furnaces are connected, the multi-furnace selection opens after the selection of the firing program.
- In the multi-furnace selection, the firing program is set to the first furnace available for this type of firing.
- If another furnace is to be used, hold down the firing program and move it to the next available furnace.
- Now briefly tap the firing program, and the firing window will open.
- The possible values for the individual phases are displayed above the number field.

▶ **Activating/deactivating Pre-drying (VITA Pre-dry)**



1 Select firing chamber temperature / holding time.

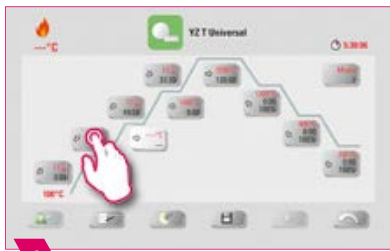


2 Activate pre-dry.



3 Once you have done this, confirm.

▶ **Activating/deactivating the first phase**



1 Select first phase: Gradient/rise time.



2 Activate first phase.



3 Once you have done this, confirm.

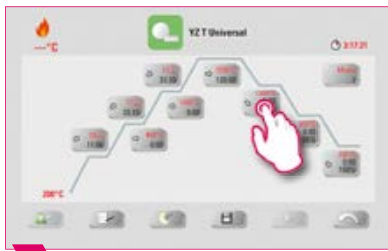


4 Save change.

! **Note:**

- To deactivate pre-dry and the first phase, remove the corresponding check mark and confirm. Save your change.

▶ Activating/deactivating controlled cooling



1 Select the first cooling phase.



2 Select first cooling phase: "Controlled cooling."



3 Confirm.



4 Select the second cooling phase.



5 Select second cooling phase: "Controlled cooling."



6 Confirm.



7 Select the third cooling phase.



8 Select third cooling phase: "Controlled cooling."



9 Confirm.

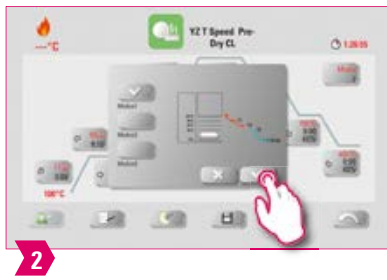
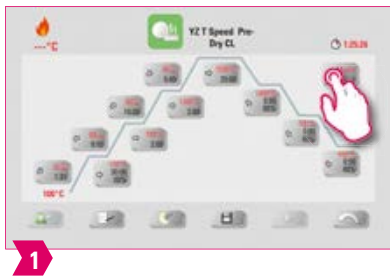


10 Save change.

⚠ Note:

- To deactivate cooling phases one to three, remove the corresponding check marks and confirm. Save your change.

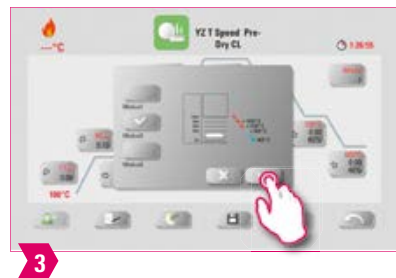
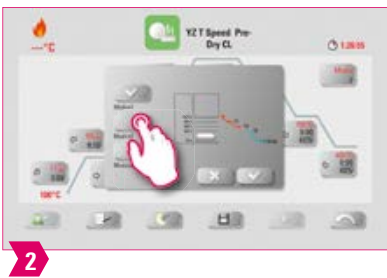
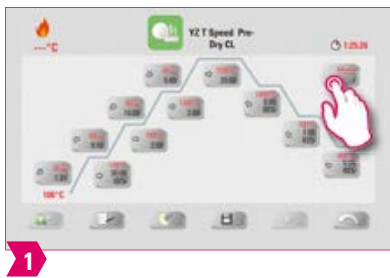
▶ Cooling mode 1



💡 Note:

- You can adjust the cooling phases to suit your individual needs.

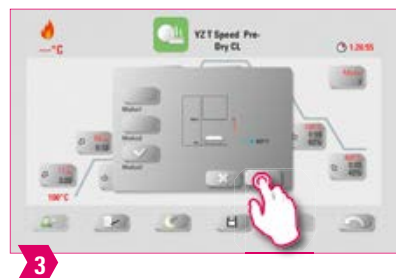
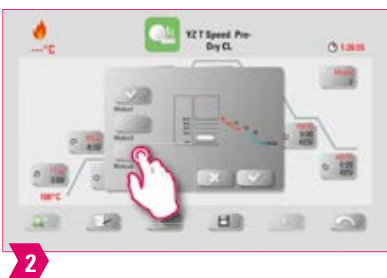
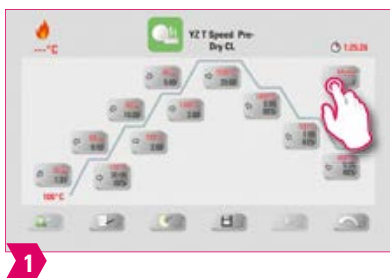
▶ Cooling mode 2



💡 Note:

- There are three fixed cooling positions.
- Lift position at the following temperatures:
 - Temperature: > 1200 °C, lift position: 80%
 - Temperature: < 1200 °C, lift position: 60%
 - Temperature: < 900 °C, lift position: 40%
 - Temperature: < 400 °C, lift position: 0%

▶ Cooling mode 3



💡 Note:

- The lift remains in the upper position and moves to the lower position after cooling to 400 °C.

7.4 Changes after program start

Note:

- Changes of program values are possible after starting a firing program. To avoid misfires, changes which automatically impact other program areas are not allowed, such as changes in the rise time, which causes an automatic adjustment of the vacuum time.

Please note:


- You can only change non-active program areas. The program areas that can still be changed are identified by the button display (dark button).
- If a program area that is still available is selected for changing and it becomes active, the display switches to the image of the firing curve and the program continues to run with the previously contained value.
- If the final temperature is changed, the °C/min gradient is always retained, and the rise time and vacuum time are adjusted accordingly.



8. Technical data**8.1 Specification and symbols****Specifications**

Dimensions (width/depth/height)	260 mm/150 mm/200 mm
Net weight	1.6 kg
Temperature for operation	10°C to 35°C
Humidity for operation	Max. 80% RH
Application area	Approved for indoor operation only

Symbols

	CE marking	The VITA vPad excellence complies with the applicable regulations of the European Union (EU). The declaration of conformity can be accessed on the homepage under MyVITA or requested directly from VITA Zahnfabrik.
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8.2 Information**Basic information on the device design**

- The instrument is designed according to state-of-the-art technology and recognized safety standards.
- Nevertheless, inappropriate use may endanger the health and safety of the user or third parties and lead to a risk of damage to the instrument and other material property.

Unauthorized modes of operation

- Do not operate the control unit with sharp-edged or hot objects. This causes damage to the touch screen.
- The operation of the instrument with power sources, products, etc., which are subject to hazardous materials regulations or could have any negative impact on the health of the operating personnel when using equipment modified by the user, are not permitted.

Authorized modes of operation

- The operation of the device is only permitted if these instructions for use have been completely read and understood and the procedures described in them have been observed. Any other or additional use, e.g., processing of products other than those intended is considered misuse, as is the handling of hazardous materials or substances that are dangerous to personal health.
- Repairs and servicing of any kind may only be carried out by specially trained personnel.

! Please note:

- The manufacturer/supplier will not be liable for any damage resulting from such unauthorized use. The risk of such use is borne exclusively by the user.

8.3 Safety functions

If the firing device is operated with a VITA vPad excellence, it is equipped with the following safety and monitoring functions:

1. Temperature sensor monitoring
2. Power supply failure protection
3. Obstruction sensor
4. Temperature protection switch
5. Automatic temperature calibration
6. Pellet detection and press path detection (VITA VACUMAT 6000 MP)

Temperature sensor monitoring

Temperature sensor monitoring detects failure of the temperature sensor in the sintering chamber. If a failure of the temperature sensor has been detected, the sintering chamber is prevented from heating up and an error message is displayed.

Power supply failure protection

The device is equipped with a power supply failure protection. This element prevents firing programs from aborting in the event of a short-term power failure. If the power failure time lasts less than 15 seconds, the current program will continue to run even though the display will remain out of service for the duration of the power failure. The current program is aborted if power is interrupted for more than two minutes. An error message is displayed once power is restored.

Finger trapping protection

The vertical movement of the firing devices is controlled by computer. Any trapped objects are detected and the drive is switched off, if necessary. This prevents injuries caused by pinching. The system may still be operated without any restrictions after the drive is switched off.

Temperature protection switch

The temperature protection switches are built into the housing of the sintering unit and prevent overheating of the sintering unit in case of malfunction of the heating control by switching off the heating. An error message is displayed if this type of malfunction occurs. The sintering system may not be used again until the system cools down. This can take some time.

Automatic temperature calibration

Automatic temperature calibration is conducted automatically each time after the device is switched on. This temperature calibration takes into consideration and corrects all deviations occurring in the electronic components for temperature measurement and temperature control. A constant temperature control of ± 1 °C is achieved even with a long operating time of the instrument.

8.4 Cleaning the operating unit

Clean the display at regular intervals with a screen cleaner.

- Screen cleaners are especially good since they do not cause any scratches, have an antistatic effect and prevent it from getting dirty again.

9. Additional information

9.1 Delivery scope of the VITA vPad excellence

Product	Scope of supply
VITA vPad excellence	1x
Instructions for use	1x
Connecting cable	1x

9.2 VITA system solutions



- For digital shade determination, use **VITA Easyshade V**, and for traditional shade determination, e.g. the **VITA Toothguide 3D-MASTER** or **VITA classical A1–D4** can be used.



- For CAD/CAM fabrication, VITA offers you **highly esthetic feldspar and glass ceramic materials** – simply select the material solution that meets your individual requirements.



- Use **VITA AKZENT Plus** masking and glazing stains for feldspar and glass ceramics.



- Use **VITA Platinum Firing Tray Pins** and **VITA Firing Paste** to ensure that the restoration is securely placed on the firing tray.



- The **VITA VACUMAT 6100 M/6000 MP** or the **VITA SMART.FIRE ADVANCED** is the ideal solution for crystallization, glaze, stain and corrective firing.



- In the case of VITA feldspar ceramics, use polishing systems suitable for silicate ceramics (e. g., **VITA Polish Cera**).
- For VITA ceramics and hybrid ceramics, the **VITA CERAMICS/VITA ENAMIC Polishing Sets** should ideally be used.



- Full-adhesive or self-adhesive luting with **VITA ADIVA LUTING SOLUTIONS** is possible for restorations made of feldspar and glass ceramics.

*] **Note:** The feldspar ceramic material can be inserted immediately after milling and polishing. Crystallization firing is mandatory for the glass ceramic.

 **9.3 Error messages**

Display	Recognition	Cause/correction
Vacuum is not achieved.	Program with vacuum is stopped if a value of at least 30% is not reached within 30 seconds.	<ul style="list-style-type: none"> • Clean/test/replace the lift plate seal. • Clean the edge seal on the firing chamber floor. For cleaning work, see the instructions for use for the VITA VACUMAT 6100 M or VITA VACUMAT 6000 MP. • Inspect the vacuum pump separately from the device. • Inspect the vacuum system of the firing device.
Ventilator is not functioning.	Running firing program is stopped.	<ul style="list-style-type: none"> • Inspect the ventilator connections on the circuit board. • Clean/replace ventilator.
The lift is blocked.	Lift moves too far down.	<ul style="list-style-type: none"> • Sensor for lower position does not work. • The corresponding LED must light up when the sensor is activated. • Inspect / adjust / replace the sensor.
The temperature in the firing chamber is more than 1200 °C.	Display shows more than 1200 °C.	<ul style="list-style-type: none"> • This error can be triggered by several causes. Recognizing/correcting these errors requires specialized knowledge and technical measuring equipment. • Replace CPU circuit board.
Temperature sensor is defective.	Program is stopped.	<ul style="list-style-type: none"> • Inspect the connection of the thermoelement to the circuit board. • Inspect the connection of the thermoelement to the firing chamber. • Inspect the connection of the thermoelement in the firing chamber. • Replace thermoelement.
The target temperature in the firing chamber has fallen short / been exceeded for longer than five minutes.	Temperature rise does not correspond to the set time.	<ul style="list-style-type: none"> • Defective heating. • Defective triac. • Triac control system defective.
The temperature control system has triggered an error.	No temperature rise.	<ul style="list-style-type: none"> • Firing muffle or triac is defective
The heating cannot be properly activated.	No or too fast temperature rise.	<ul style="list-style-type: none"> • Firing muffle is defective, replace.
Continuous tone for about six seconds.	Continuous tone.	<ul style="list-style-type: none"> • Fuses defective, replace. • Inspect plug for connecting the heating to the circuit board – replace CPU circuit board.

Additional error message from the VITA ZYRCOMAT 6100 MS

Display	Recognition	Cause/correction
Ventilator power board defective.	Running program is stopped, heating off.	<ul style="list-style-type: none"> • Inspect connections to the circuit board. • Inspect/replace ventilator.
Temperature sensor defective.	Running program is stopped, heating off.	<ul style="list-style-type: none"> • Inspect connections to the circuit board. • Inspect/replace ventilator.
Relay error.	Running program is stopped, heating off.	<ul style="list-style-type: none"> • Replace power board.

9.4 VITA warranty and consumer protection

The VITA warranty and consumer protection document can be found on our website at:
<https://www.vita-zahnfabrik.com/de/Garantieleistungen-696,29674.html>

9.5 Update messenger

Software updates are available as a download on the website of the supplier, VITA Zahnfabrik. To automatically have the latest device information emailed to you, an option to register is provided at www.vita-zahnfabrik.com/updatemessenger.

9.6 Spare parts

Spare parts must comply with the technical requirements specified by the manufacturer. This can only be ensured by using original VITA spare parts.

9.7 Competitor materials

The VITA vPad excellence includes firing programs for Celtra Duo, IPS e.max CAD, IPS e.max ZirCAD, IPS Empress CAD, Celtra Ceram, Celtra Press, and n!ce. However, it should be noted that the firing processes for IPS e.max CAD must be carried out on an Ivoclar Vivadent firing tray. The firings for IPS Empress CAD, IPS e.max ZirCAD, Celtra Duo, Celtra Ceram and n!ce can be carried out on the firing tray W with VITA platinum pins. The current firing parameters for Celtra Duo, Celtra Ceram, Celtra Press, IPS e.max CAD, IPS Empress CAD, e.max ZirCAD and n!ce are intended as guidelines only. Users must check for themselves that the equipment is suitable for the intended application.

9.8 Copyright information

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9.9 Hotline and support

We are happy to help

▶ **Hotline Sales Support**

Mrs. Carmen Holsten and her team (Internal Sales Department) will be glad to assist you with orders or questions about the delivery, product data and marketing materials.

Phone +49 (0) 7761/56 28 84

Fax +49 (0) 7761/56 22 99

8 am to 5 pm CET

Email info@vita-zahnfabrik.com

▶ **Technical Hotline**

If you have technical questions concerning VITA product solutions, you can contact Dr. Michael Tholey, our technical advisor, and his technical service team.

Phone +49 (0) 7761/56 22 22

Fax +49 (0) 7761/56 24 46

8 am to 5 pm CET

Email info@vita-zahnfabrik.com

▶ **VITA instruments service**

Please do not hesitate to contact us if you have any questions concerning VITA instruments.

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Fax +49 (0) 7761 / 56 21 02

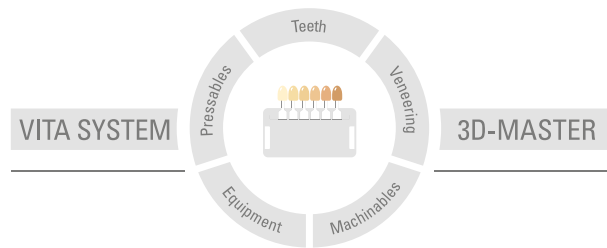
8 a.m. to 5 p.m. CET

Email instruments@vita-zahnfabrik.com

▶ **Additional international contact information can be found at www.vita-zahnfabrik.com/contacts**



You can find additional information on
VITA vPad excellence at: www.vita-zahnfabrik.com



Please note: Our products must be used in accordance with the instructions for use. We accept no liability for any damage resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product and this results in damage. The VITA Modulbox is not a required component of the product. Date of issue of these instructions for use: 2024-08

After the publication of this information for use, any previous versions become obsolete. The current version can be found under www.vita-zahnfabrik.com

VITA vPad excellence is CE marked within the meaning of EC Directive 2014/30/EC, 2011/65/EU and 2014/53/EU.

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