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Groups

Each of the individual parameters can also be added to a 'group'. A group is a collection of 2 or more parameters that can be controlled together as a collective set. Push and hold an encoder knob to view the group status. A maximum of 4 groups are available.

Create a group.
In the control page,
hold first knob + tap knob(s)



| Group 1 | | | | |
|---------|------|------|------|--|
| CC1 | CC2 | CC3 | CC4 | |
| CC5 | CC6 | CC7 | CC8 | |
| CC9 | CC10 | CC11 | CC12 | |
| CC13 | CC14 | CC15 | CC16 | |

Example: Add knob 1, 2 and 3 to Group 1. Tap the knobs to add to the group while holding the first knob. Each tap cycles through the mode for the parameter.

Operating Behavior

Lead Follower Follower
Hold Knob + Tap the knob first time

CC1 **CC2** **CC3**

Group 1

Parameters displayed with a 'solid' bounding box will follow any changes made by a primary lead control, but can also be adjusted independently. The primary lead controls are shown with a 'dotted' boundary box. In the example above only CC1, when adjusted, will affect its own value plus the value of the other 2 parameters. When changing the CC2 or CC3 knob, only its individual value is changed. Other parameters in the group are not affected.

The amount of control applied by the primary lead to a follower can be set for each follower parameter. The amount is set on each follower by holding & turning its knob. In this example hold + turn knob 2 (CC2) to set the amount and repeat for CC3.

Lead & Follow Lead & Follow Lead & Follow
Hold Knob + Tap knob a second time.

CC1 **CC2** **CC3**

Group 1

Parameters displayed with a 'dotted' bounding box will act as a primary lead control. If any of these are adjusted, the values of the other parameters in the same group are also adjusted in harmony. The value change is relative to each of the parameter's original value. In the example above, all three knobs will affect the value of itself and the other two parameters.

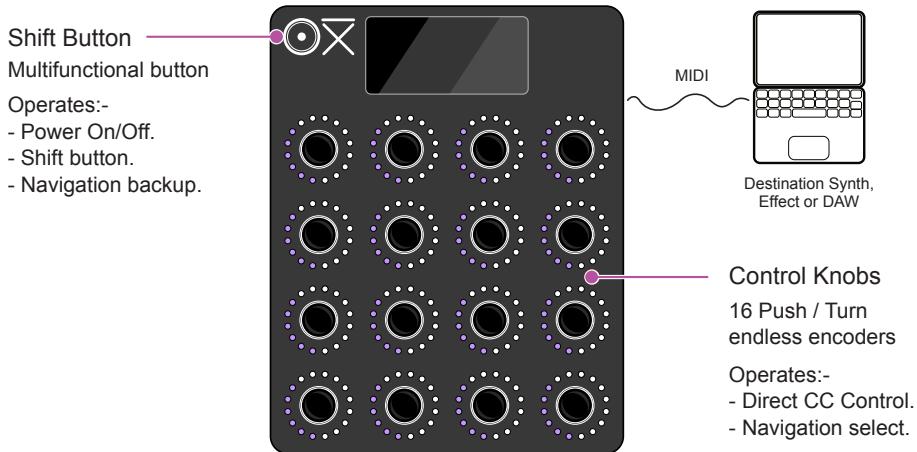
Presets

The settings of the E16 can be saved as a preset which can then be later recalled. Different configurations are therefore possible in order to match various hardware setups. The preset menu is located in the parameter control page by holding [Shift] and pressing Knob 16 (Prst). The preset management menu is then navigated using Knob 1 which will be shown lit. A maximum of 16 preset slots are available.

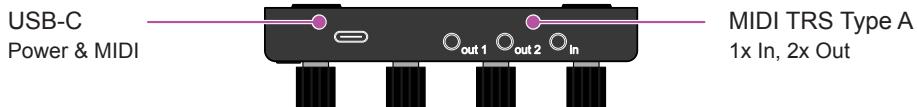
Hardware Overview

The E16 is a compact MIDI parameter controller which can communicate MIDI over TRS, USB or Bluetooth connections. There are 16 encoders immediately available on the panel which can be configured for control of a destination device's MIDI CC, Control Change , PC, note and other MIDI parameters. The controls are organised in Scenes with a maximum of 7 scenes available. A scene contains 12 pages, each page with 16 parameter controls. So a scene can hold 192 parameters and in total the **E16** can control 1,344 parameters. Navigation is performed using the 16 push / encoder knobs and the shift button.

Front Panel



Rear / Edge



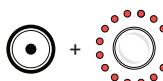
The E16 is supplied with this quick start guide and a high quality travel case. The full manual is available for download from the OXI Instruments site at oxinstruments.com. The firmware and settings can also be managed by connecting the E16 to the OXI App.

Power On / Off

Power is supplied through the USB-C connection. Connect to a USB power supply, computer or power bank. The supply should be greater than 100ma. The multifunctional button embedded in the OXI 'O' is used for turning the device on and off. This is called the shift button. To turn off, navigate to the main, top level menu. Tap the shift button to navigate backup in the structure of E16.



Power On
Hold the shift button

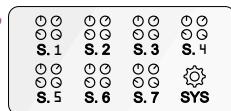


Power Off
Hold the shift button + hold the red lit encoder.

The main 'home' menu location in the structure of OXI E16 is presented when first powering on. This display will show the 7 available scenes labelled S.1 to S.7. The encoder knobs will perform selection of each scene. The knob position reflects the scenes as displayed. Tap a knob to select the option and tap shift to backup in the menu structure.

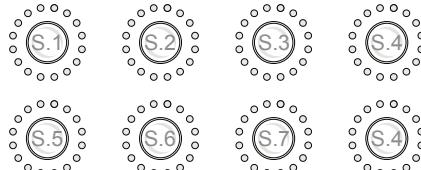
Main Menu: Scene & System Selection

Scenes 1-7



System menu and global settings.

16 tap / turn encoders



Knobs represent the displayed options.



Turn
Edit or change value of the respective parameter

Tap
Select the respective displayed option. Example to open a scene.

[Shift] + Turn
Edit a secondary value or choose an option

Tap [Shift]
Navigate backup in the menu hierarchy structure

The rotary LEDs will indicate a parameter value setting.

Any knob which has a currently selectable menu option will be lit.

The [Shift] button is used as a classic shift, to access secondary parameters or to backup or exit menus.

Scenes

A scene is a function to help organise the controls. The scene options are found in the main, opening menu. To start, select a scene to work with or to setup. Within the scene sub-menu one of the pages of parameters can also be selected.

Tap to select the scene from the main menu.



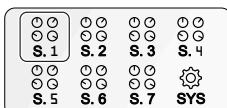
Hold [Shift] to select a page of parameters and access parameter options.



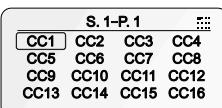
Tap knob 1-12 to change the page group. Tap knobs 13-16 edit the options.



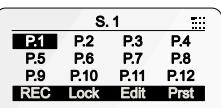
Scene View



Control View



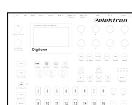
Param Pages



This is the main, home menu and is available upon power up. After editing a scene, the option to save or not is presented when backing up to the main menu.



Turn a knob to adjust the MIDI output value for the respective CC parameter.



REC - Record. Records parameter automation. Will capture the control value changes while turning a knob. Tap to stop.

Lock. Retains screen location to prevent backing up to the main, home menu.

Edit. Opens the edit menu for configuring each CC parameter.

Prst - Preset. Opens the load and save preset management menu.

Parameter Setup

To edit and setup each parameter navigate to the scene and control page for the desired parameter to edit. The destination, behavior and name can be edited.

In the control page,
hold [Shift] + Knob 15 (Edit)



Knobs represent the control options. The default is for the knobs to be assigned in numerical order. This can be changed.

Example: CC3 Selected for editing. Turn / Tap Knob 3 (CC3) to perform editing.

The control change options can be edited for each individual parameter. This sets how the parameter is displayed on the E16 and how it affects the destination.

| Ctrl 3 | Page | Scene |
|---------|------|-------|
| Abbr. | CC3 | |
| Color | 12 | |
| Special | Off | |

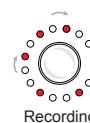
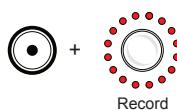
Turn / tap the encoder knob to navigate and edit. The 'Page' and 'Scene' settings are also accessible in this menu. Hold [Shift] to switch tabs for edit focus.

| Parameter Options | | |
|-------------------|--------------------|--|
| | Function | Description |
| Abbr | Label Abbreviation | Allows editing of up to 4 characters. This is the label used on the control page for the parameter. Editing of the label is made using the first 4 knobs, instructions as displayed. |
| Color | LED ring color | Assigns the color for the LED indicators. These are displayed around the specific control encoder knob to represent its value. |
| Special | Encoder Options | Can be set to off. Bipolar will operate -63 to +64 as opposed to 0-127. Snapshot will capture and store an A and B value to assign as the knob range. Rec will allow automation to be recorded to the knob when in the control page. Press the knob in the control page to start / stop recording. |
| Dest1 | Destination 1 | Sets the parameters associated with controlling the destination device. Two device destinations can be assigned to each parameter. The options available are identical. |
| Dest2 | Destination 2 | Options includes range, type, target, output port, channel, etc |
| Push | Knob push behavior | Sets the behavior of the push command on the encoder and its associated display. |
| Copy | Copy Settings | Allows copying of these settings to be copied to another parameter. |
| Paste | Paste Settings | Allows pasting of previously copied settings to this parameter. |
| Clear | Clear settings | Allows clearing of the settings to defaults. |

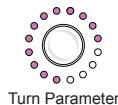
Recording Automation

Parameter automation can be recorded live using the 'Special' option for a single control. Also the recorder, accessed in the control page by holding [Shift] can be used to record parameter changes live for all the parameters in the page.

Select (Rec) in the control menu.
Adjust a parameter while recording.



Release [Shift]
for control page



Hold [Shift] + Tap (Rec), knob 13 again to stop recording and commence playback.

