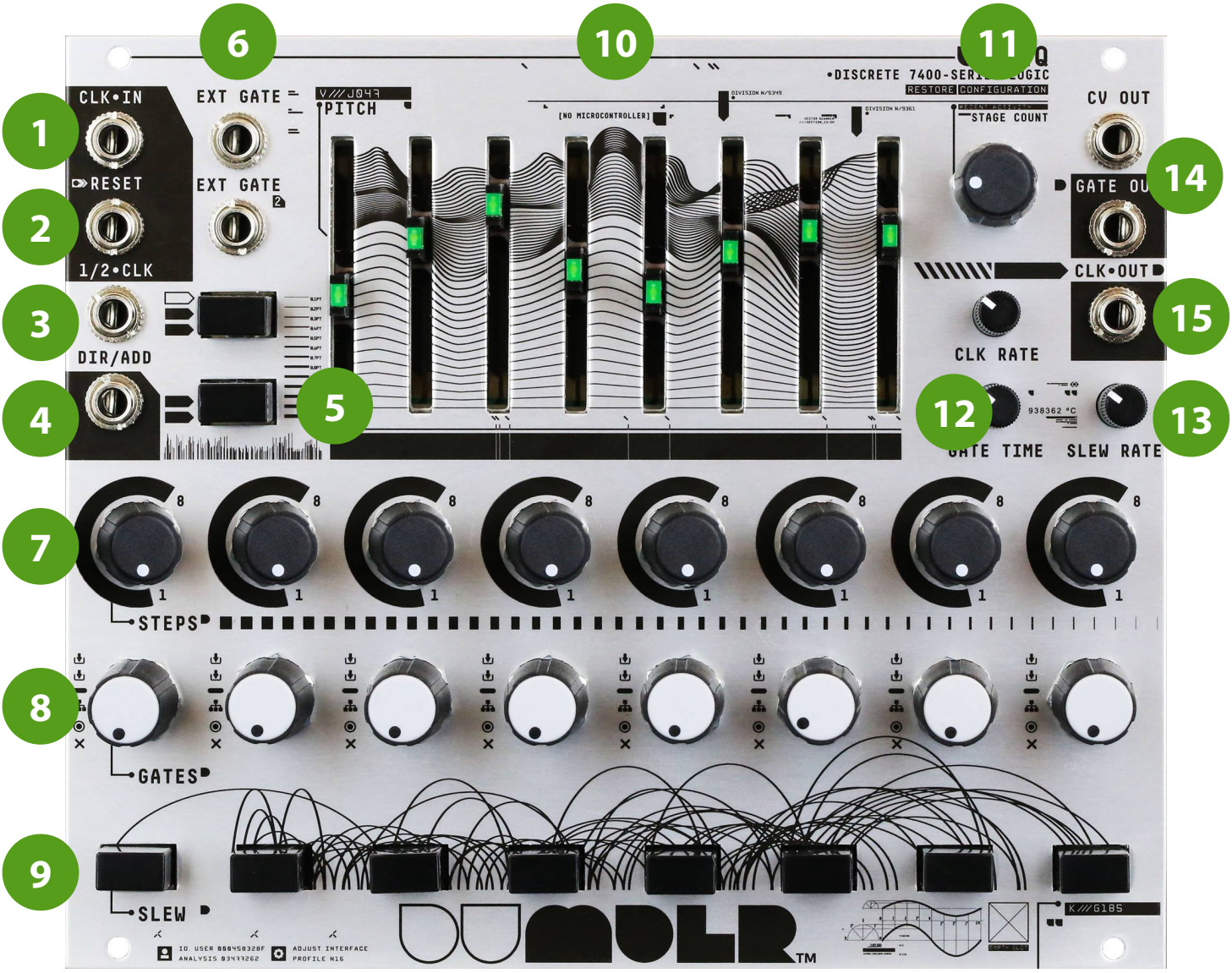
DUSEQ

•DISCRETE 7400-SERIES LOGIC



Width: 30HP · Depth: 35mm · Current draw: 8 mA +12V / 8 mA -12V / 110 mA 5V

DUMDLR™

1 **Clock input**
When connected, this signal replaces the internal clock. DU-SEQ uses the precise timing of the clock input for stage/step counting, and the actual pulse width as the gate time.

2 **Reset input**
When triggered, DU-SEQ returns to the left-most stage (stage 1).

3 **1/2 Clock input & button**
When the input is gated or the switch is set on, DU-SEQ runs at half the clock rate (with the clock output still at the full rate).

4 **Direction/Address input**
In Direction mode, when gated, DU-SEQ counts through stages in reverse. In Address mode, allows CV selection (0 – 5 volt range) of stage.

5 **Direction/Address mode switch**
Toggles between Direction (off) and Address (on) mode.

6 **External Gate inputs**
Gate signals used when the gate mode is set to external. The second gate input mirrors the first when disconnected. External gates are, in general, independent of the clock.

7 **Step Count switches**
Specify the number of steps (1 – 8) to count at the associated stage.

8 **Gate Type switches**
Specify the type of gate to use at the associated stage (see legend).

- External Gate 2
- External Gate 1
- Long Gate
- Multiple Gate
- Single Gate
- No Gate

9 **Slew Rate Limiter switches**
When set on, enable slew rate limit at the associated stage (when coming from another stage).

10 **Pitch sliders**
Select the pitch (two octave range) for the associated stage.
The green LED indicates gate output for that stage.

11 **Stage Count switch**
Specify the number of stages (1 – 8) to enable, starting with the left-most stage (stage 1).

12 **Clock Rate & Gate Time knobs**
Set the internal clock rate and internal gate pulse width.

13 **Slew Rate knob**
Control the slew rate used by stages with slew rate limit enabled.

14 **Pitch CV & Gate outputs**
Output pitch control voltage (0 – 2V range) and gate signal, respectively.

15 **Clock output**
Outputs the clock used by DU-SEQ (internal or external).

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