

ADDAC Systems – ADDAC-207 Quantizer

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[ADDAC207 Intuitive Quantizer Manual PDF](#)

ADDAC207 Intuitive Quantizer – Cheat Sheet

Quick Start

- Outputs 1–4 → VCOs
 - **Tune VCOs:** Use Keyboard Mode ([Hold Button 1](#)) → All notes ON except active key
 - **Quantize:** Exit Keyboard Mode ([Hold Button 1] again), patch CV to Note 1 IN, play C major by default; patch Note 2–4 for more voices
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Panel Overview

Jacks (Left to Right, Top to Bottom)

Jack	Function	Voltage Range
IN 1 – 4	CV inputs for each voice/quantizer	±5V
OUT 1 – 4	Quantized pitch CV outs for each voice	0 to +10V

Jack	Function	Voltage Range
GATE IN 1–4	Trigger/Gate input for each voice (external timing)	0 or +5V
GATE OUT 1–4	Quantized note triggers/gates	0 or +5V
ASSIGN	CV input for menu assignment controls	0 to +5V (rectifies -V)

Knobs & Switches

Control	Function
Rotary Switch	Select Key/Octave ("KEY/OCTAVE")
MINOR/MAJOR Toggle	Set scale type
b/N/# Toggle	Select root note accidental (flat/natural/sharp)

Illuminated Buttons (12, numbered 1–12)

Button	Function (short press = activate note, long press = enter menu)
1	Toggle note 1 / Enter Mode Selection/Keyboard Mode
2	Toggle note 2 / Set Note 2 interval/chord setting
3	Toggle note 3 / Set Note 3 interval/chord setting
4	Toggle note 4 / Set Note 4 interval/chord setting

Button	Function (short press = activate note, long press = enter menu)
5	Toggle note 5 / Quantization Type
6	Toggle note 6 / Gate Length Menu
7	Toggle note 7 / Trigger Repeat Menu
8	Toggle note 8 / Reaction Time
9	Toggle note 9 / Octave Offset
10	Toggle note 10 / Tuning & Fine Tune Menu
11	Toggle note 11 / Scale Mode, Tuning +, Assign
12	Toggle note 12 / Preset Menu, Tuning -, Assign

Multi-button and hold combinations enter/exit menus, assign CV, or store/load presets. Color coding for function (Black: overall, Yellow: chord/gen, Blue: scale/temper, White: scale mode).

Operation Modes

Quantizer Mode

- CV Input is quantized to closest active note.
- LEDs light up for active scale notes.
- [Long press Button 1] toggles between Keyboard/Quantizer mode.

Keyboard Mode

- User selects note manually—acts as simple keyboard.
- ALL LEDs ON except active note (the played note).
- Useful for tuning & manual play.

- **Voices 2–4:** can only play notes active in Quantizer Mode for chords.
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Menu Navigation

- **Long press (1s) any Button:** Enters its menu
- Change option by pressing a button, confirm with a second press.

Key Menu Functions

- **NOTE 2/3/4 (Buttons 2–4):** Set output intervals for Voice 2/3/4 (Root/3rd/5th/etc.)
- **Q.TYPE (Button 5):** Quantization type (Above/Ignore/Below, Buttons 3/5/6)
- **GATE LENGTH (Button 6):** Set Gate Out length: 10–10240ms (Buttons 1–11), Button 12 for "Gate Off Condition"
- **TRIG REPEAT (Button 7):** Re-triggering, Voice 1 Master/Slave, auto Gate In detection (Buttons 2/3/4/7)
- **REACT TIME (Button 8):** Menu Hold Time (500ms–2700ms)
- **OCTAVE OFFSET (Button 9):** Output offset in octaves (-3 to +8, Buttons 1–10)
- **TUNING (Button 10):** Scale Temperament, Moog/Buchla standard (1V/Oct or 1.2V/Oct), Fine tuning per voice
- **SCALE MODE (Button 11):** Ionian/Dorian/etc. (Usually bypassed)
- **PRESETS (Button 12):** 11 user presets (Buttons 1–11, hold Button 12 to save)

ASSIGN (CV Input Routing):

Patch CV to ASSIGN jack, press [hold Buttons 4+7], select destination: -
Button 1: Input Transpose - Button 2–4: Voice 2/3/4 interval - Button 5: Quantizer Type - Button 6: Gate Length - Button 7: Trigger Repeat - Button 9: Octave Offset - Button 11: Scale Transpose - Button 12: Preset Change

Input/Output Reference

Function	Jack	Voltage Range	Details
Note CV Input	IN 1–4	±5V	1 for each voice
Quantized Pitch Output	OUT 1–4	0 to +10V	1 per voice, 1V/oct or 1.2V/oct
Gate In	GATE IN 1–4	0 or +5V	Triggers quantization
Gate Out	GATE OUT 1–4	0 or +5V	Trigger on new note
CV Menu Assignment	ASSIGN	0 to +5V (rectifies -V)	Assignable by menu

Other Key Features

- **Microtonal Mode:** Fine tune 1V/oct to support >12 notes/octave
 - **Temperaments:** Equal, Just, Well Tuned, Bohlen-Pierce, Exotic
 - **Moog/Buchla CV Compatibility:** Switchable 1V/oct or 1.2V/oct
 - **Nonvolatile Memory:** Fine tunings, menu settings, 11 user presets
 - **Gate, Trigger, and Chord Functions:** Multi-voice quantization and interval setting
 - **Tuning Reset:** Hold [SET KEY] for 5 seconds
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Specs

- **Format:** Eurorack, 10HP
- **Depth:** 6cm
- **Max Current:** 150mA
- **Bus:** Standard 16-pin

Major/Minor Scale Reference

- See manual pages 33–34 for all major and minor scale layouts.
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For full functionality and troubleshooting details, [consult the full manual PDF](#).

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