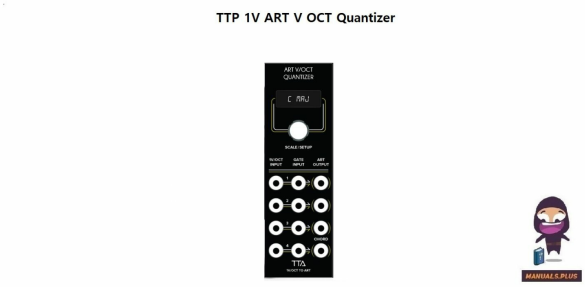
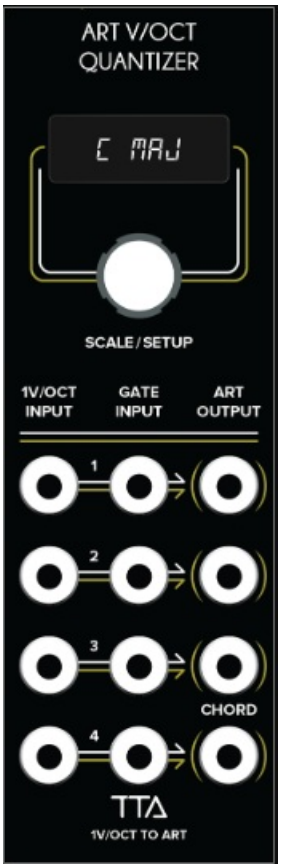


TTP 1V ART V OCT Quantizer Instruction Manual

Contents

TTP 1V ART V OCT Quantizer



Product Information

Specifications

- **Product Name:** ART V/OCT QUANTIZER
- **Input:** 1V/Oct
- **Inputs:** 1V/Oct Input, Gate Input
- **Output:** ART Output
- **Scale:** C Maj

Product Usage Instructions

- **First Patch Setup**
  For the initial setup, ensure you have the following modules connected: CIRCADIAN RHYTHMS, SWING, Z8000 MATRIX SEQUENCER/PROGRAMMER. Connect the 1V/Oct input and Gate input accordingly.
- **Editing Settings**
  To edit settings, use the encoder switch. In Status View, press the encoder switch once to scroll through settings options. Press the switch again to enter the edit view. To edit a setting, press the switch again to confirm your selection.
- **Entering Editing Mode**
  When entering editing mode, the top row will display “EDIT” and the lower row will show the specific setting such as SCALE or KEY. Use the encoder to navigate through different parameters within each setting.

Frequently Asked Questions (FAQ)

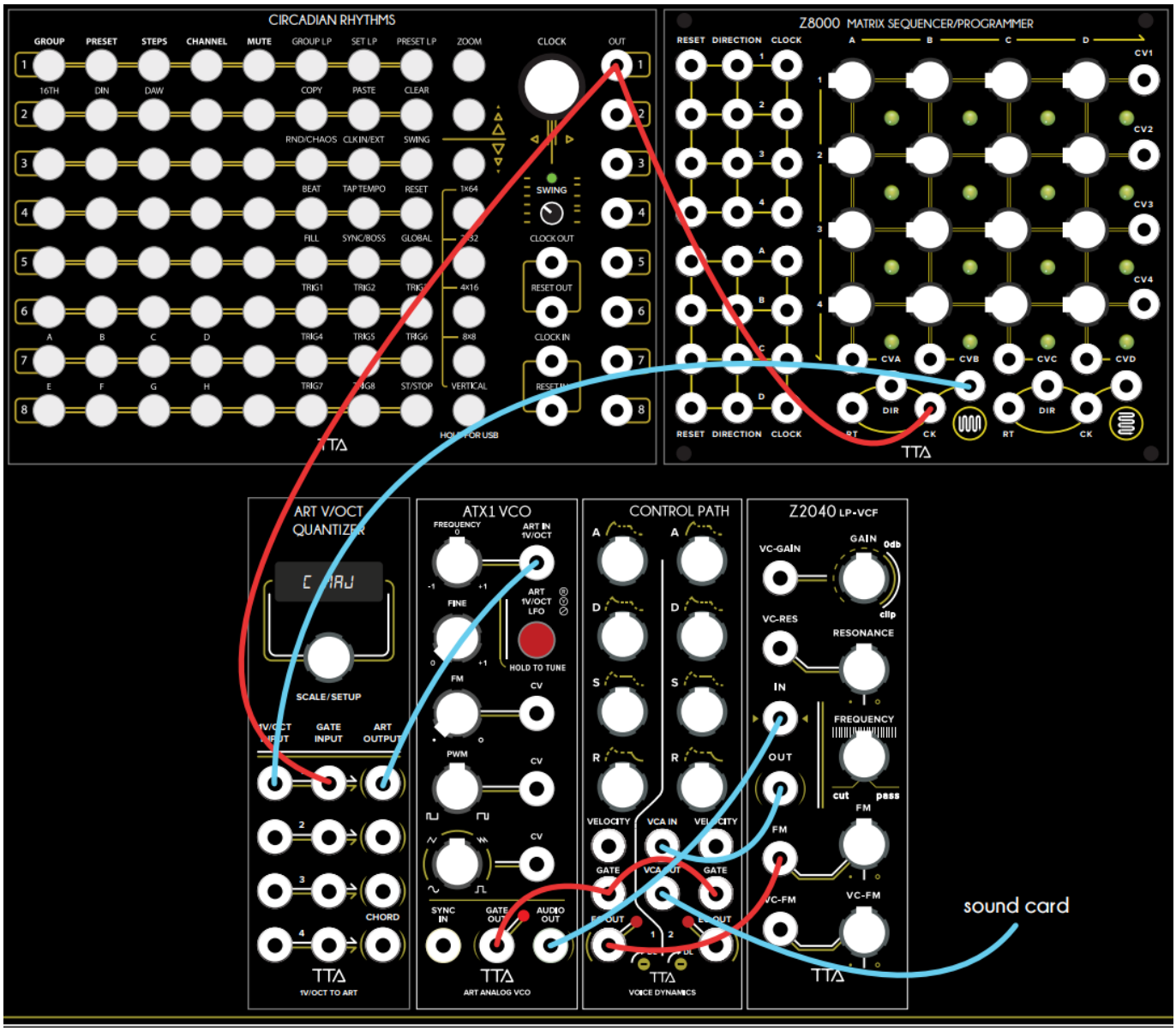
- **Q: How do I set up chord patches with the ART V/OCT QUANTIZER?**
  A: To set up chord patches, connect your modules as instructed in the manual. Ensure proper input connections and use the editing settings to select the desired scale and key for your chords.
- **Q: What is the purpose of the Octogain feature?**
  A: The Octogain feature allows for additional control over octave settings, providing flexibility in adjusting pitch levels.
- **Q: How can I utilize the Gate and 1V/Oct inputs effectively?**
  A: The Gate and 1V/Oct inputs are essential for triggering and controlling notes. Make sure to connect compatible modules to these inputs for proper signal processing and output.

Features

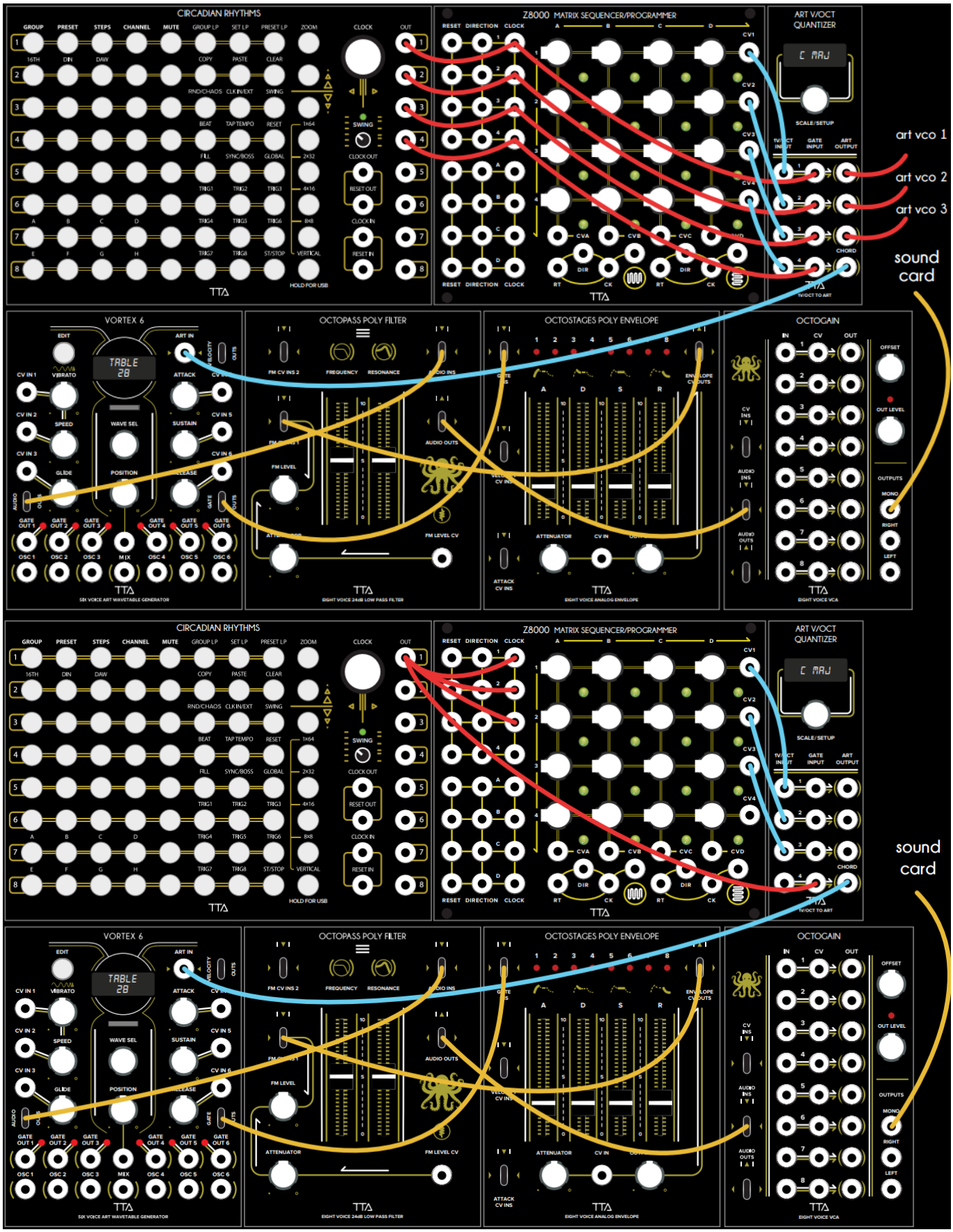
- Four channels of CV to ART conversion
- Major/Minor scale and Mode quantization
- Input range options of 0..10V, -5..5V and 0..5V
- Independent 4 mono channel ART outs or single chord out
- Gate control of note on/off
- Status view of note on/off events
- Up to 10 octave range (C-1 to C9)
- 8HP

Patch

First Patch



Chord Patches



Status View

Status view shows the current note on state of the four channels in Mono mode

Editing Settings

The encoder has a switch to enter and exit settings for editing. When in Status View press the encoder switch once to scroll through the settings options. To edit any of the settings press the switch to enter the edit view. Press the switch again to return to scrolling through the settings. When selecting the setting to edit the screen shows

EDIT on the top row and the setting on the lower row (SCALE, KEY, etc). Entering editing of the setting changes the display to show the setting on the top row and the parameter on the lower. For example, KEY on the top and F MAJ on the lower row.

STATUS / CH MODE

The STATUS menu item shows the current note on/off status of each channel.
Press the encoder button to set the CH MODE.
The four channels can operate independently (MONO) or be grouped together to form a single Chord output on channel 4 (CHORD). In Chord mode all 4 CV inputs are used but only the channel 4 Gate is used to make the chord. Please note, CHORD out play with polyphonic ART modules.

- **MONO 4 –** Each channel is independent and sends a single note on/off according to the gate on the channel
- **CHORD 4 –** The voltages on all channels are sent as a note on/off to the Output of channel 4. Gate In on Channel 4 samples all inputs and sends 4 notes. Gate In on channels 1-3 sends the single note to the respective channel out and ART Out 4.
- **M1-3 CH4 –** Channels 1-3 operate the same as MONO 4 mode. Channel 4 creates a four note chord (triad + tonic octave down) based on the chord degree set in the Key and Scale.

KEY
Changes the key to any of the 12 from C to B.

SCALE
Selects one of the following scales:

Scale	Display
Major	MAJ
Minor	MIN
Dorian	DOR
Phrygian	PHY
Lydian	LYD
Mixolydian	MIX
Locrian	LOC
Chromatic	CRO *

(Chords play Major in M1-3 CH4 mode)

PRESET

Each channel can be set to match the type of CV source you are using. There are two types of sequencer: SEQD for digital sequencers and SEQA for analog ones. Both have 5V and 10V options for 0-5 volt or 0-10V ranges. The

LFO setting is used for bipolar voltages in the range of -5V to +5V and KEYS is a setting specifically for keyboards that output CV/Gate.
Below is a table with the note values for 0V and the maximum input voltage. The note names and numbers are for middle C = C4.

Preset	0V	Max Note	Use With
SEQD 5V	C1	C6 (5 OCTAVE)	Digital Sequencers: Metropolis, Korg SQ-1, Rene
SEQD 10V	C-1	C9 (10 OCTAVE)	Digital devices with 0-10V out
SEQA 5V	C1	C6 (5 OCTAVE)	Analog 5V sources: Z8000, EG
SEQA 10V	C-1	C9 (10 OCTAVE)	Analog sources: Buchla 245t, Z8000
LFO	C4	C9 (5 OCTAVE)	Bipolar -5V to +5V LFO/VCO
KEYS	C-1	C9 (10 OCTAVE)	CV/Gate keyboards: Keystep

- **ALL OFF**
  Turning the encoder will send the All Notes Off CC, aka Panic to all channels. The display shows SENT when the ART message is sent.
- **AUTOTUNE**
  Sends an Auto Tune message to all ART modules attached to the outputs.
- **INITTUNE**
  Sends an Initial Tune to all ART modules attached to the outputs.
- **RESET**
  A factory reset that sets the CH MODE to MONO 4 and all channels to SEQD 5V.
- **VERSION**
  DIsplays the currently installed firmware version.

FIRMWARE UPDATES

A microSD card slot is mounted flush on the rear circuit board and is used to update the firmware.

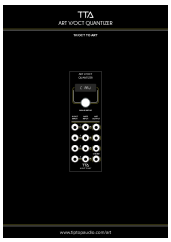
- Download firmware from Tiptop Audio product page.
- Unzip file and copy image.hex to a microSD card (class 4 or 10 16GB or smaller recommended)
- Insert the microSD into the slot at the top of the rear board with the card pins facing the board
- Power off the system
- Hold down the encoder button and power on the system
- Display shows FIRMWARE UPDATE during the process. Release button.

SPECIFICATIONS

- **Width:** 8HP
- **Depth:** 40mm depth
- **1V/Oct voltage range:** 0-10V, 0-5V, -5V +5V
- **Gate voltage:** 0 to 10V
- **+12V:** 38mA
- **-12V:** 4mA
- **+5V:** 0mA

www.tiptopaudio.com/art

Documents / Resources

	TTP 1V ART V OCT Quantizer [pdf] Instruction Manual 1V ART V OCT Quantizer, 1V ART, V OCT Quantizer, OCT Quantizer, Quantizer

References

- art – Chords Melodies Harmony And Polyphony In Eurorack
- User Manual

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