

YAMAHA TONE GENERATOR TG300

Expansive Sounds, Multitimbrality, and General MIDI in a High-Performance Tone Generator



The TG300 is the latest addition to the Yamaha TG series of tone generators. It packs a huge 456 high-quality voices, 9 drum kits, and an FX collection into an attractive desktop unit. Sound architecture employs AWM2 (Yamaha 2nd Generation Advanced Wave Memory) with digital filters, and 195 sound waves are stored in a massive 6Mbytes of ROM. Acoustic instruments and exciting synth textures are brought to life through 16-bit CD-quality processing.

Voices

Voices consist of one or two sound elements, and extensive editing with independent envelope and scaling control for pitch, filter, and level allows for original sound creation.

Multi Modes

For MIDI sequencing, Multi modes with 16-part multitimbrality and 32-note polyphony allow you to play 16 different instruments simultaneously. Parts and voices are fully editable and parameters include: filter cutoff and resonance, level envelope generator, portamento, MIDI Control Change assign, and MIDI Bank Select support.

Single Mode

Single mode, on the other hand, is especially designed for live performance, having 128 editable internal voices with assignable effects, ideal for use with MIDI keyboards and synthesizers. Note and velocity range parameters allow for split, layer, and velocity crossover type voices.

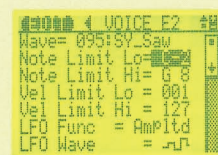
Effects

A Yamaha custom DSP (Digital Signal Processor) provides professional quality reverb, chorus, and variation effects simultaneously. A whole host of effect algorithms, including reverb, chorus, flanger, EQ, rotary speaker, and Aural Exciter® to name just a few, allow you to add spaciousness, stereo depth, and sparkle to your sounds.

MIDI

General MIDI conformity allows playback of third-party MIDI songs and song data exchange with other musicians. As well as standard MIDI jacks, a built-in MIDI interface allows direct connection to Macintosh® and PC-AT® compatible computers, eliminating the hassles of external MIDI boxes and interface cards.

If you're looking for a high-performance sound source for computer music or a way to expand your sound library — the TG300 is for you.



● Preset Voices

Single Mode Voices	GM Software Compatible Voices																		Variation Voices																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Group	Pgm#	Bank	Voice Name	Group	Pgm#	Bank	Voice Name	Group	Pgm#	Bank	Voice Name	Group	Pgm#	Bank	Voice Name	Group	Pgm#	Bank	Voice Name	A-Piano1	SoftTP-1	synbass1	piccolo1	castanet	A-Piano2	SoftTP-2	synbass2	piccolo2	triangle	A-Piano3	TP/TRB-1	synbass3	recorder	orchelit	EP&Piano	TP/TRB-2	synbass4	panpipes	telephone	EP Pad	0	BritePno	19	0	RockOrgn	40	8	SynBass4	66	0	Alto Sax	100	0	Atmosphr	RA-Piano5	TP/TRB-3	newagepd	sax1	bird	A-Piano6	TP/TRB-4	synharmo	sax2	jam	A-Piano7	TP/TRB-5	choir pd	sax3	efctwatr	E-Piano1	TP/TRB-6	bowed pd	sax4	efctjngl	E-Piano2	Sax-1	soundtrk	clarin1	Carillon	E-Piano3	Sax-2	atmosphr	clarin2	Elec Tom	A-Guitr1	Sax-3	syn warm	oboe	CuttingNz	A-Guitr2	Sax-4	synfunny	eng.horn	Str Slap	E-Guitr1	Brass-1	syncho1	bassoon	FLClick	Brass-2	Brass-2	rain	harmnica	Rain	E-Guitr2	Brass-3	synbooe	trumpet1	Thunder	Slap-1	Brass-4	syncho2	trumpet2	Wind	Slap-2	Brass-5	synsolo	trmbone1	Stream	Slap-3	Orch-Hit	synrdorg	trmbone2	Bubble	Slap-4	a.piano1	synbell	fr.horn1	Dog	Slap-5	a.piano2	squareld	fr.horn2	Horse	Slap-6	a.piano3	strsect1	tuba	Bird 2	Slap-7	e.piano1	strsect2	brssect1	Dinosaur	Slap-8	e.piano2	strsect3	brssect2	Tel.Dial	Finger-1	e.piano3	pizz.str	vibe1	DoorSgsk	Finger-2	e.piano4	violin 1	vibe2	DoorSlam	Picked-1	hnyktnk	violin 2	smallmet	Scratch	Picked-2	e.organ1	cello 1	maletwin	WindChim	FrettsBk	e.organ2	cello 2	glocken	CarEngin	A-Bass	e.organ3	contrabs	tububel	Car Stop	Choir-1	e.organ4	harp 1	xylophon	Car Pass	Choir-2	pipeorg1	harp 2	marimba	CarCrash	Choir-3	pipeorg2	guitar 1	koto	Siren	Choir-4	pipeorg3	guitar 2	sho	Train	Stmgs-1	acordion	elecgr1	shakhchi	Jetplain	Stmgs-2	harp1	elecgr2	whistle1	StarShip	Stmgs-3	harp2	elecgr3	whistle2	Burst	Stmgs-4	harp3	elecgr4	bottle	Coaster	E-Organ1	clavi1	a.bass 1	breath	Laghing	E-Organ2	clavi2	e.bass 1	timpani	Scream	E-Organ3	clavi3	e.bass 2	melotom	Punch	E-Organ4	celesta1	slapbas1	deepsnar	Heart	E-Organ5	celesta2	slapbas2	e.perc1	FootStep	E-Organ6	synbras1	fretles1	e.perc2	MchinGun	E-Organ7	synbras2	fretles2	taiko	LaserGun	E-Organ8	synbras3	flute1	taikoRim	Xplosion	E-Organ9	synbras4	flute2	cymbal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
VeloGrnd	Piano	1	0	GrandPho	18	0	0	PercOrgn	40	8	0	SynBass3	16	0	0	AnaBras2	99	1	0	Crystal	A-Piano1						A-Piano2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

● Specifications

Preset (ROM) Voices

456 voices & 9 drum kits

Internal (RAM) Voices

128 user voices

Polyphony

32-note (1 Element voice), 16-note
(2 Element voice)

Multitimbral

16 parts

Sound Sampling AWM2

(2nd Generation Advanced Wave Memory)

16-bit PCM sound elements, digital filters

Effect Types

Distortion, EQ, Chorus, Flanger, Delay, Echo, Cross Delay, Symphonic, Rotary Speaker, Tremolo, Auto Pan, Phaser, Pitch Change, Auto Wah, Exciter*, Compressor, Reverb (Hall, Room1, Room2, Room3, Stage1, Stage2, Plate, WH Room, Tunnel, Canyon, Basement), Early Reflections (ER1, ER2), Gate Reverb

Sound Module Modes

Single, General MIDI Level 1

Display

Backlit 21-character 8-line graphic LCD

Audio Connections

R, L/MONO LINE OUT – 1/4 inch phone jack ×2
AUDIO IN – RCA phono jack ×2
PHONES – 1/4 inch stereo phone jack ×1

MIDI Connections

IN, OUT, THRU – 5-pin DIN

To Host Connection

8-pin mini DIN

Dimensions (W x D x H)

220 × 257.2 × 91.6 mm (8-5/8" × 10-1/8" × 3-5/8")

Weight

1.9 kg (4 lbs 3 oz)

Power Supply Voltage

12 V, 700 mA

[Yamaha PA1207 AC adaptor (British model: PA1210) or other adaptor recommended by Yamaha]



The Yamaha TG100 Tone Generator is part of the same family as the TG300, and shares a similar feature set. It offers: 192 AWM voices, 16-part multitimbrality, 28-note polyphony, DSP effects, General MIDI compatibility, and a host computer connection.

Specifications and appearance subject to change without notice.

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