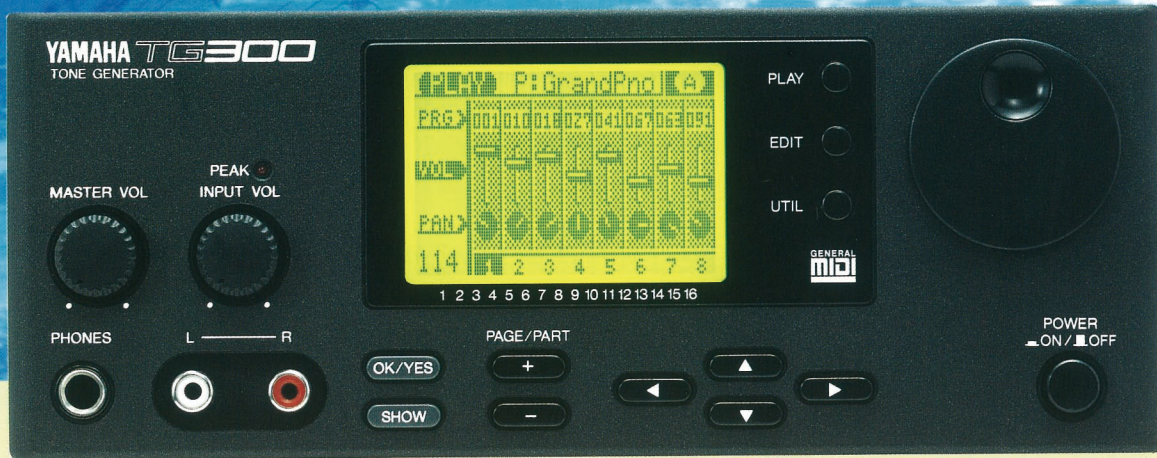


YAMAHA TONE GENERATOR TG300

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.

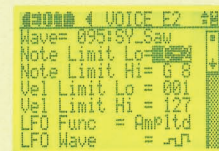
Effects

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					
VeloGrnd	Piano	0	0	GrandPno	Guitar	0	0	PercOrgn	Strings	8	0	SynBass3	Reed	16	0	AnaBras2	Ethnic	99	0	Crystal	A-Piano1	SoftTP-1	synbass1	piccolo1	castanet
AeroPian		1	8	GmrdPnoK		18	8	PerOrgCH		65	0	SprmoSax		1	1	SyMallet		A-Piano2	SoftTP-2	synbass2	piccolo2	triangle			
EP&Piano		16	0	GmrdPnoM		32	0	PercOrg2		40	8	SynBass4		66	0	Alto Sax		100	0	Atmosphr	A-Piano3	TP/TRB-1	synbass3	recorder	
EP Pad		2	0	BritePno		19	0	RockOrgn		16	0	RubberBs		67	0	TenorSax		101	0	Bright	A-Piano4	TP/TRB-2	synbass4	panpipes	
Rock Org		8	8	BrilPnoK		0	0	ChrchOrg		41	0	Violin		68	0	Bari.Sax		102	0	Goblins	A-Piano5	TP/TRB-3	newagepd	sax1	bird
JimmyOrg		3	0	E.Grand		20	8	ChrcOrg2		8	0	ViolinSA		69	0	Oboe		103	0	Echoes	A-Piano6	TP/TRB-4	synharmo	sax2	jam
KillClav		4	8	ElGrPnoK		16	0	ChrcOrg3		42	0	Viola		70	0	Eng.Horn		104	1	Echoes 2	A-Piano7	TP/TRB-5	choir pd	sax3	efctwatr
FunkyPlk		0	0	HnkyTonk		21	0	ReedOrgn		43	0	Cello		71	0	Bassoon		2	2	Echoes 3	E-Piano1	TP/TRB-6	bowed pd	sax4	efctjngl
12String		8	8	HnkyTrnkK		0	0	Acordion		44	0	Contrabs		72	0	Clarinet		0	0	Sci-Fi	E-Piano2	Sax-1	soundtrk	clarin1	Carillon
Snapper		0	0	E.Piano1		22	8	Acrdion2		45	0	Trem.Str		73	0	Piccolo		105	0	Sitar	E-Piano3	Sax-2	atmosphr	clarin2	Elec Tom
Dstrtion		5	16	E.Pno1CH		23	0	Harmonica		46	0	Pizz.Str		74	0	Flute		1	1	Sitar 2	A-Guitr1	Sax-3	syn warm	oboe	CuttingNz
PadBass		24	0	E.Pno1VS		24	0	TangoAod		47	0	Harp		75	0	Recorder		106	0	Banjo	A-Guitr2	Brass-1	synfunny	eng.horn	Str Slap
SQUBAs		32	0	E.P1 60s		0	0	NylonGtr		48	0	Timpani		76	0	PanFlute		107	0	Shamisen	E-Guitr3	Brass-2	rain	harmnica	Rain
Nu-Age		0	0	E.Pno1 K		8	0	Ukulele		49	0	Strings1		77	0	Bottle		108	0	Koto	E-Guitr2	Brass-3	synoboe	trumpet1	Thunder
Fat Saw		8	8	E.Piano2		16	0	NylonGtr		50	0	OrchEns.		78	0	Shakhchi		109	8	TaishoKt	Slap-1	Brass-4	syncho1	trumpet2	Wind
DigiLead		16	0	E.Pno2CH		32	0	NylonGIB		51	0	Syn.Str1		79	0	Whistle		110	0	Bagpipe	Slap-2	Brass-5	syncho2	trmbone1	Stream
BluesHrp		32	0	E.Pno2VS		0	0	SteelGtr		52	0	Syn.Str2		80	0	Ocarina		111	0	SquareLd	Slap-3	Orch-Hit	synrdorg	trmbone2	Bubble
Warrior		0	0	E.Pno2 K		8	0	12StrGtr		53	0	Syn.Str3		81	0	Square 2		112	0	Fiddle	Slap-4	a.piano1	synbell	fr.horn1	Dog
VeloPad		8	8	Harpsi.		16	0	Mandolin		54	0	Syn.Str2		82	1	Saw 2		113	0	Shanai	Slap-5	a.piano2	squardl	fr.horn2	Horse
BrassPad		16	0	Harpsi.O		27	0	Jazz Gtr		55	0	ChoirAah		83	0	Sine Ld		114	0	TrnkBell	Slap-6	a.piano3	strsect1	tuba	Bird 2
StrmgPad		24	0	Harpsi.K		28	0	Hawaiian		56	0	ChoirAh2		84	0	Saw Lead		115	0	Agogo	Slap-7	e.piano1	strsect2	brssect1	Dinosaur
ChoirPad		0	0	Clavi.		29	8	CleanGtr		57	0	VoiceOoh		85	0	Saw 2		116	0	SteelDrm	Slap-8	e.piano2	strsect3	brssect2	Tel.Dial
OBRsweep		8	8	Clavi. K		0	0	CinGtrCH		58	0	Orch.Hit		86	0	Lead Dr.		117	0	WoodBlok	Finger-1	e.piano3	pizz.str	vibe1	DoorSgsk
HomStr.		9	0	Celesta		30	8	FunkGtr1		59	0	Orch.Ht2		87	0	Chiff Ld		118	0	TrnkBell	Finger-2	e.piano4	violin 1	vibe2	DoorSlam
St.Johns		10	0	Glocken		31	0	FunkGtr2		60	0	CleanGtr		88	0	Sine Ld		119	0	Agogo	Picked-1	e.piano1	violin 2	symallet	Scratch
MAJESTIC		11	0	MusicBox		32	8	ClnGtrCH		61	0	CleanGtr		89	0	Sine Ld		120	0	SteelDrm	Picked-2	e.organ1	cello 1	glocken	WindChim
RzSweep		12	0	Vibes		33	0	Mute.Gtr		62	0	Orch.Ht2		90	0	Chiff Ld		121	0	WoodBlok	FretsBs	e.organ2	cello 2	maletwin	CarEngin
Electron		8	8	Vibes K		34	0	Orch.Hit		63	0	Orch.Ht2		91	0	Chiff Ld		122	8	Castanet	A-Bass	e.organ3	contrabs	tububel	Car Stop
JAVA		0	0	Marimba		35	0	FunkGtr1		64	0	Orch.Ht2		92	0	Chiff Ld		123	0	TaikoDrm	Choir-1	e.organ4	harp 1	xylophon	Car Pass
MALI		8	8	MarimbaK		36	0	Trumpet		65	0	Trumpet		93	0	CharanLd		124	8	GranCasa	Choir-2	e.organ5	harp 2	marimba	CarCrash
StarTrec		16	0	MusicBox		37	0	Trombone		66	0	Trombone		94	0	Voice Ld		125	0	MeloTom	Choir-3	e.organ6	guitar 1	koto	Siren
IceCream		0	0	Vibes		38	0	Dist.Gtr		67	0	Trombone2		95	0	Fifth Ld		126	8	MeloTom2	Choir-4	e.organ7	guitar 2	sho	Train
		8	8	Vibes K		39	0	FeedbkGt		68	0	Tube		96	0	Bass &Ld		127	0	RevCymb1	Stmgs-1	e.organ8	elecgr1	shakhchi	Jetplain
		12	0	Marimba		40	0	GtrHarmo		69	0	Mute.Trp		97	0	NewAgePd		128	0	AnalgTom	Stmgs-2	e.organ9	elecgr2	whistle1	StarShip
		13	0	MarimbaK		41	8	GlFeedbk		70	0	Fr.Horn		98	0	Warm Pad		129	0	RevCymb1	Stmgs-3	a.bass 1	sitar	whistle2	Burst
		14	0	Xylophon		71	0	Aco.Bass		71	0	Fr.Horn		99	0	PolySynPd		130	0	RevCymb1	Stmgs-4	a.bass 2	bottle	breath	Coaster
		0	0	TubulBel		72	0	FngrBass		72	0	BrasSect		100	0	ChoirPad		131	0	RevCymb1	E-Organ1	e.bass 1	timpani	melotom	Laghing
		8	8	ChrchBel		73	0	PickBass		73	0	BrasSct2		101	0	BowedPad		132	0	Seashore	E-Organ2	e.bass 2	melotom	deepsnar	Punch
		16	0	Dulcimer		74	0	Fretless		74	0	SynBras1		102	0	MetaPad		133	0	Tweet	E-Organ3	celesta1	slapbas1	e.perc1	Heart
		0	0	DrawOrgn		75	0	SlapBas1		75	0	SynBras2		103	0	Halo Pad		134	0	Telephone	E-Organ4	celesta2	slapbas2	e.perc2	FootStep
		8	8	DrwOrgCH		76	0	SlapBas2		76	0	AnaBras1		104	0	SweepPad		135	0	Helicptr	E-Organ5	synbras1	fretles1	taiko	MchinGun
		16	0	DrOrg60s		77	0	SynBass1		77	0	SynBras2		105	0	Rain		136	0	Applause	E-Organ6	synbras2	fretles2	taiko	LaserGun
		32	0	DrawOrg2		78	1	SynBass5		78	0	SynBras3		106	0	SoundTrk		137	0	Gunshot	E-Organ7	synbras3	flute1	taikoRim	Xplosion
												SynBras4		107	0	SoundTrk		138	0	Gunshot	E-Organ8	synbras4	flute2	cymbal	

● 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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