

YAMAHA COMBO PRODUCTS

COMBO KEYBOARDS
ELECTRIC GUITARS & BASSES
EFFECTORS

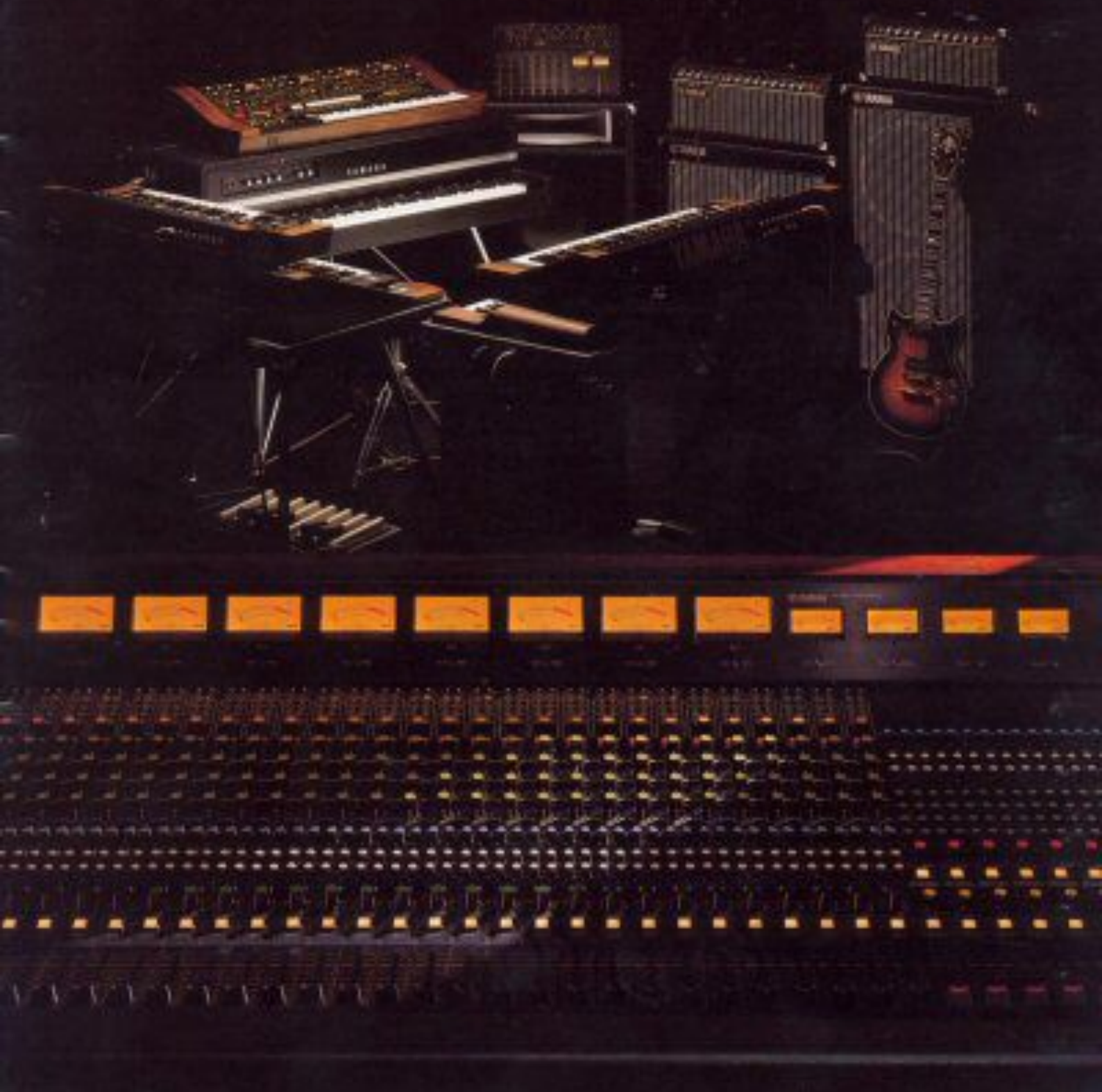
Producer Series

GUITAR & BASS AMPLIFIERS

SOUND REINFORCEMENT

DRUMS

VOL. 9'82



YAMAHA COMBO PRODUCT LINE-UP

COMBO KEYBOARDS (page 1 ~ 7)

Digital Keyboards	GS1, GS2
Electric Grand Pianos	CP-80, CP-70B
Electronic Pianos	CP35, CP25, CP11, CP-30, CP-20, CP10
Symphonic Ensembles	SK50D, SK30, SK20, SK15, SK10
Programmable Memory Synthesizers	CS70M, CS-40M, CS-20M
Monophonic Synthesizers	CS15D, CS-15, CS-5
Combo Ensemble	CE20
Leg Stands, Carrying Cases,	LG-30, LG-20, LG-10, LG-5, LC-10P, LC-10K, LC-15D, LC30K, LC-20K, LC-15K, LC20E, SC-11
Foot Switch Pedal & Foot Controller	FC-5, FC-4, FC-3A
Amplifiers for Combo Keyboards	K550, KS100

ELECTRIC GUITARS & BASSES (page 8 ~ 12)

Electric Guitars	SG2000S, SG1000S, SG400, SG300, SF1200, SF600, SF400, SC600, SC400
Semi-Acoustic Guitars	SA2000S, SA2000, SA1200S
Acoustic Guitars	AE2000, AE1200
Electric Basses	BB2000, BB1200S, BB1000S, BB400S
Strings	H-1070, H-1060, H-1020, H-1010, H-3010, H-4030, H-4020, H-4010

EFFECTORS (page 13)

Effectors	PH-01, CH-01, FL-01, OC-01, DI-01, TB-01, PE-01, NG-01, LS-01, CO-01, LI-01, MP-01, AD-10, SB-100, SB-200
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PRODUCER SERIES (page 14)

Producer Series	MA10, MM10, MH10, CS01
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GUITAR & BASS AMPLIFIERS (page 15 ~ 17)

Stackable Guitar & Bass Amplifiers	G100II, B100II, S412, S215, S115
Pre-Amplifiers	PG1, PB1
Guitar & Bass Amplifiers	G100-115II, G100-212II, G100-210, G100-112, G50-112II, B100-115II, B100-115SE, B50-115II
Foot Switch	FS-2
JX Series	JX50, JX40, JX30, JX20, JX50B, JX30B, G-5

SOUND REINFORCEMENT (page 18 ~ 28)

Mixing Consoles	PM-2000-32, PM-2000-24
M Series	M1532, M1516, M916, M512, M508, M406
PM Series	PM-210, PM-180, PM-170
MQ Series	MQ1602, MQ1202, MQ802
Self-Powered Mixers	EM-300, EM-200, EM-150II, EM-120, EM-100II, EM-95, EM-85
Power Amplifiers	P2200, P2201, P2100, P2050
Analog Delays	E1010, E1005
Graphic Equalizer	Q1027
Frequency Dividing Networks	F1040, F1030
Speaker Systems	S5115HT, S4115H, S3115H, S0410H, S0112T, S0110T, S0108T, S2115H, A0410H, A4115H, A0112T
Speaker Components	JA3881/3881B, JA3882/3882B, JA4280B, JA6681B, JA4281B, H1230, AD3500/3502, DN2800/2080, D6681B, D4281B, D4280B
Miscellaneous	Modules for the PM-2000, Mixer Racks, DM-5080

DRUMS (page 29 ~ 33)

System Drums	YD-9000RA Series, YD-9000GA Series, YD-7000GA Series, YD-5000GA Series
Shells	BD-922RA, BD-922GA, BD-722GA, BD-522GA, FT-916RA, FT-916GA, FT-716GA, FT-516GA, FT-913RA, FT-913GA, FT-713GA, FT-513GA, ET-9000R
Share Drums	SD-055MA, SD-955MA, SD-755MA, SD-550MA, SD-955RA, SD-970GA, SD-765GA
Hardware	SS-910, SS-710, SS-510, HS-910, HS-710, HS-510, WS-910, WS-712, WS-710, CS-912, CS-910, CS-712, CS-710, CS-510, ETS-914, CL-914, ETS-912, ETS-910, ETS-710, TH-91W, TH-71W, TH-51W, TH-91S, TH-71S, EH-91W, CL-912, CL-910, FP-910, FP-710, FR-510, DS-910, DS-710, DS-510 CH-712, CH-710, SB-910, CSAT-914, CSAT-912, CSAT-910, HSAT-910, MU-912, MU-910

COMBO KEYBOARDS

Digital Keyboards

New



GS1

88 keys (A₁ ~ C₇)
4 Sets of FM Digital Tone Generators,
16 Notes, 16 Voice Selectors
Controls: Master Pitch, Detune (Random/Static), Vibrato, Tremolo,
Ensemble, Touch Response, Equalizer (Bass/Mid/Treble), Master Volume
Pedal Controls: Damper, Tremolo, Vibrato
Card Reader, Voice Library with 32 Voice Cards



New

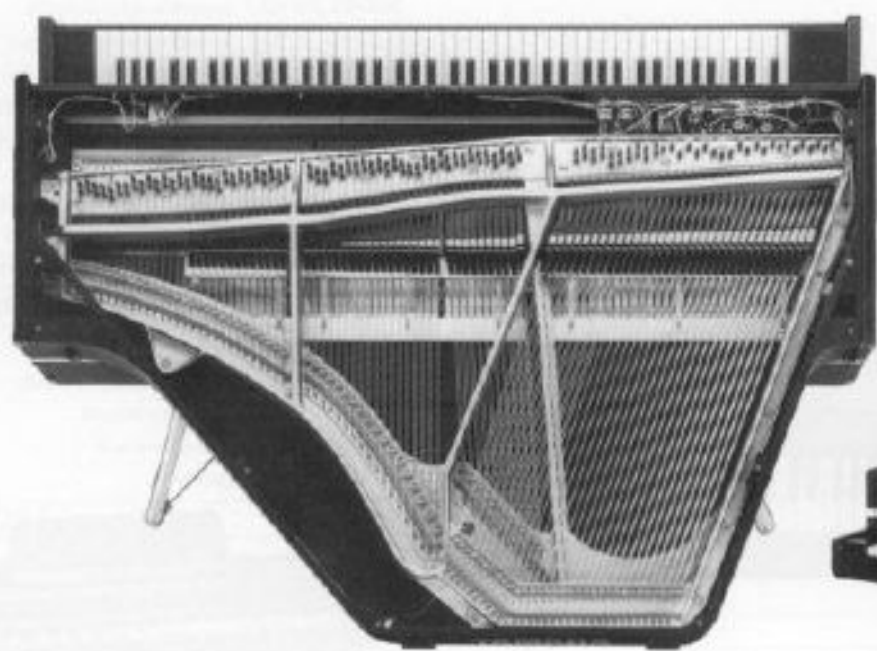


GS2

73 keys (E₀ ~ E₆)
2 Sets of FM Digital Tone Generators,
16 Notes, 16 Voice Selectors
Controls: Master Pitch, Detune (Static), Vibrato, Tremolo,
Ensemble, Equalizer (Bass/Mid/Treble), Master Volume
Pedal Controls: Damper, Tremolo, Vibrato
Card Reader, Voice Library with 32 Voice Cards

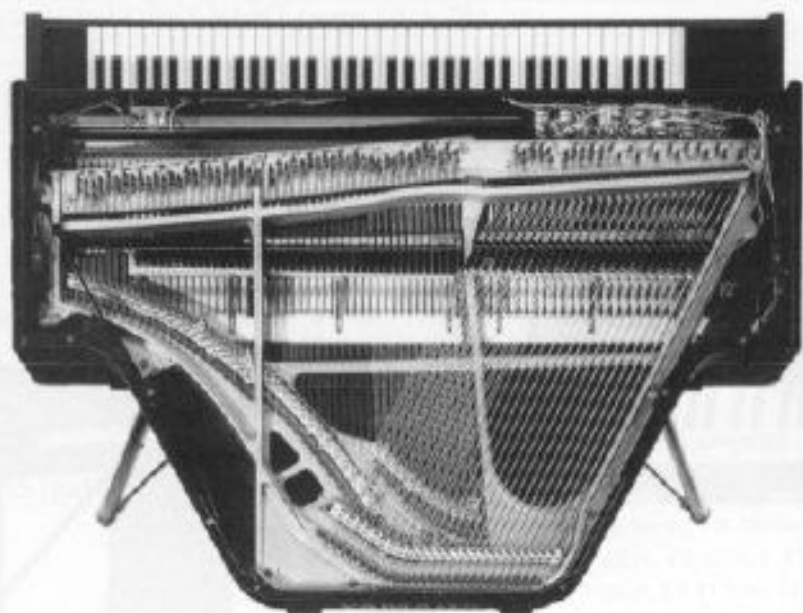


Electric Grand Pianos



CP-80

88 keys (A₂ ~ c₅)
Controls: Bass, Middle, Treble,
Brilliant Level Selector Switch,
Tremolo Speed and Depth, Volume



CP-70B

73 keys (E₃ ~ e₄)
Controls: Bass, Middle, Treble,
Tremolo Speed and Depth, Volume



Compact; easy to
carry and easy to store.



Electronic Pianos

New



CP35

73 keys (E₀ ~ E₅)
 Velocity-Sensitive Touch Response
 16 Notes
 Controls: Pitch I, II, Decay I, II, Tremolo, Flanger,
 Wave I (A, B, C, D), Wave II (A, B, C, D)
 Filter I (1, 2, 3, 4), Filter II (1, 2, 3, 4, 5th, 8th)
 Presets (1, 2, 3, 4), Balance (I-II)
 EQ (Bass/Treble), Volume



New



CP25

61 keys (E₀ ~ E₅)
 Velocity-Sensitive Touch Response
 Single Mode: 16 Notes, Dual Mode: 8 Notes
 Controls: Mode (Dual/Single Selector), Pitch I, II,
 Decay I, II, Tremolo, Flanger,
 Wave (A, B, C, D), Filter (1, 2, 3, 4, 5th, 8th)
 Balance (1, 2 - 3, 4), EQ (Bass/Treble), Volume



New



CP11

61 keys (C₁ ~ C₆)
 Tone Selector: Piano 1, 2, Harpsichord 1, 2
 Controls: Pitch, Tremolo, Sustain, Equalizer (Bass/Treble),
 Volume
 Auto Accompaniment: Rhythm (8 types), Bass & Chord,
 Arpeggio, Tempo, Rhythm Start, Key Start
 Built-in Amp/Speaker



SC-11 Soft Case



Electronic Pianos



CP-30

76 keys ($E_1 \sim G_4$)
Tone Selectors: Piano 1, 2, 3, Harpsichord (per channel)
Controls: Pitch, Decay, Tremolo Speed and Intensity,
Bass, Treble, Balance, Volume



CP-20

61 keys ($F_1 \sim f_3$)
Tone Selectors: Piano 1, 2, Harpsichord 1, 2
Controls: Pitch, Decay, Tremolo Speed and Intensity,
Bass, Treble, Balance, Volume



CP10

61 keys ($C \sim c_4$)
Tone Selectors: Piano 1, 2, Harpsichord 1, 2
Controls: Pitch, Tremolo Speed, Sustain,
5-Band Graphic EQ, Volume



Symphonic Ensembles



SK50D

61 keys (C₁ ~ C₆), 2 Keyboards, 7 notes
 Upper Organ Full Coupler, Lower Organ,
 String, Poly-Synth, Solo Synthesizer,
 Tremolo/Ensemble, Percussive, Touch
 Vibrato/Brilliance/Modulation (Solo),
 Vibrato (Poly-Synth), Sustain, Slow Attack,
 Manual Bass

* Bass Pedal
 available as
 optional attachment



SK30

61 keys (C₁ ~ C₆), 7 notes
 Organ Full Coupler, String, Poly-Synth,
 Solo-Synthesizer, Keyboard Split,
 Tremolo/Ensemble, Percussive, Touch
 Vibrato/Brilliance/Modulation (Solo),
 Vibrato (Poly-Synth), Sustain,
 Slow Attack, Manual Bass



SK20

61 keys (C₁ ~ C₆), 7 notes
 Organ, String, Poly-Synth,
 Keyboard Split, Tone Selectors,
 Tremolo/Ensemble, Percussive,
 Brilliance, Sustain, Decay, Vibrato

New



SK15

49 keys (C₂ ~ C₆), 4 octaves
 Organ Section: 16', 8', 5-1/3', 4', 2', Percussive
 String Section: 16', 8'
 Poly-Synth Section: Feet, Cut Off Freq.,
 Resonance, EG Depth, A, D, S, R, Slow Attack
 Effects: Vibrato, Tremolo/Ensemble, Sustain,
 Brilliance



SK10

49 keys (C ~ C₄)
 Simultaneous Notes: Up to 8
 Tone Selectors: Organ (8'/4'/2'),
 String (8'/4'), Brass (8'/4')
 Effect Controls: Pitch, Transposition,
 Vibrato, Brilliance, Slow Attack, Sustain

Programmable Memory Synthesizers



CS70M

61 keys ($c_1 \sim c_6$), 6 Notes, 2 channels
 12 VCO, 12 VCF, 12 VCA, 12 EG (FOR VCA),
 12 EG (FOR VCF), 1 LFO (Programmable),
 1 LFO (Non-Programmable)
 30 Voice, 39 Parameter MEMORY.
 Magnetic DATA CARD system
 4-Bank Polyphonic SEQUENCER
 Feet Selectors: 6 settings (X2) 2 feet \sim 16 feet
 Effect Controls: Ensemble/Tremolo (Slow/Fast)
 Portamento/Glissando time set, Sustain, Brilliance,
 Pitch Bend, Modulation, Keyboard Split



CS-40M

44 keys ($f \sim c_4$)
 4 VCO, 2 VCF, 2 VCA, 4 EG, 1 LFO
 Duophonic/Monophonic (Unison) Selectable
 Feet Selectors: 6 settings (x 2)
 Effect Controls: Unison, Portamento/Glissando,
 Brilliance, Sustain, Pitch Bend, Modulation



CS-20M

37 keys ($c_1 \sim c_4$)
 2 VCO, 1 VCF, 1 VCA, 2 EG, 1 LFO
 Feet Selectors: 6 settings (x 2)
 Effect Controls: Portamento/Glissando,
 Brilliance, Sustain, Pitch Bend, Modulation

Monophonic Synthesizers



CS15D

37 keys ($c_1 \sim c_5$)
 2 VCO, 2 VCF, 2 VCA, 4 EG, 1 LFO
 Feet Selector: 5 settings
 Tone Selectors: 29 Presets, 1 Programmable
 Effect Controls: Portamento, Brilliance,
 Sustain, Pitch Bend, Modulation



CS-15

37 keys ($c_1 \sim c_4$)
 2 VCO, 2 VCF, 2 VCA, 2 EG, 1 LFO
 Feet Selectors: 6 settings (x 2)
 Effect Controls: Portamento, Pitch Bend,
 Brilliance



CS-5

37 keys ($c_1 \sim c_4$)
 1 VCO, 1 VCF, 1 VCA, 1 EG, 1 LFO
 Feet Selector: 5 settings
 Effect Controls: Portamento, Pitch Bend

Combo Ensemble

New



CE20

49 Keys (C₂~C₆)

Voice Selectors

Monophonic (1 Note): 14 Voices (Piccolo, Oboe, Clarinet, Saxophone, Trumpet 1/2, Trombone, Violin, Cello, Contra Bass 1/2, Electric Bass 1/2)

Polyphonic (8 Notes): 6 Voices (Brass, Horn, Organ, Electric Piano, Harpsichord, Strings)

Effects: Tone Initial, Vibrato, Presets Symphonic, Brilliance, Initial Touch Response, After Touch Control

Controls: Pitch, Sustain, Expression Volume

LC-20E Keyboard Case



LG-5 Leg Stand with Soft Case



Leg Stands, Carrying Cases, Foot Switch Pedal & Foot Controller



LG-30



LG-20



LC-10P



LC-15D



FC-5

Sustain ON/OFF for CP10/CP11/CE20, Memory ON/OFF for CP11.



FC-4

CP-30/20, CS-40M/20M, SK50D/30/20/10
Foot Switch for Portamento: CS-40M/20M, SK50D/30
Foot Switch for Tremolo: CP-30
The CP-30/20 include one FC-4.



Foot Controller (Expression Pedal)

FC-3A

Foot Volume Controller: CS-40M/20M, SK50D/30/20/10
Foot Filter Controller: CS-40M
The SK50D/30 include one FC-3A

• Photo not shown.

Model	Case	Leg Stands	Model	Case	Leg Stands
CP11	SC-11	LG-10/20/30	SK15	LC-15K	LG-10/20/30
CP10	LC-10P	LG-10/20/30	SK10	LC-10K	LG-10/20/30
SK30	LC-30K	LG-20	CS15D	LC-15D	LG-10/20/30
SK20	LC-20K	LG-20	CE20	LC-20E	LG-5

Amplifiers for Combo Keyboards

KS50

Output Power 50W (RMS)
Woofer: 1 x 12" (30cm) JA3066
Tweeter: PIEZO T.W.
4 Input Channels



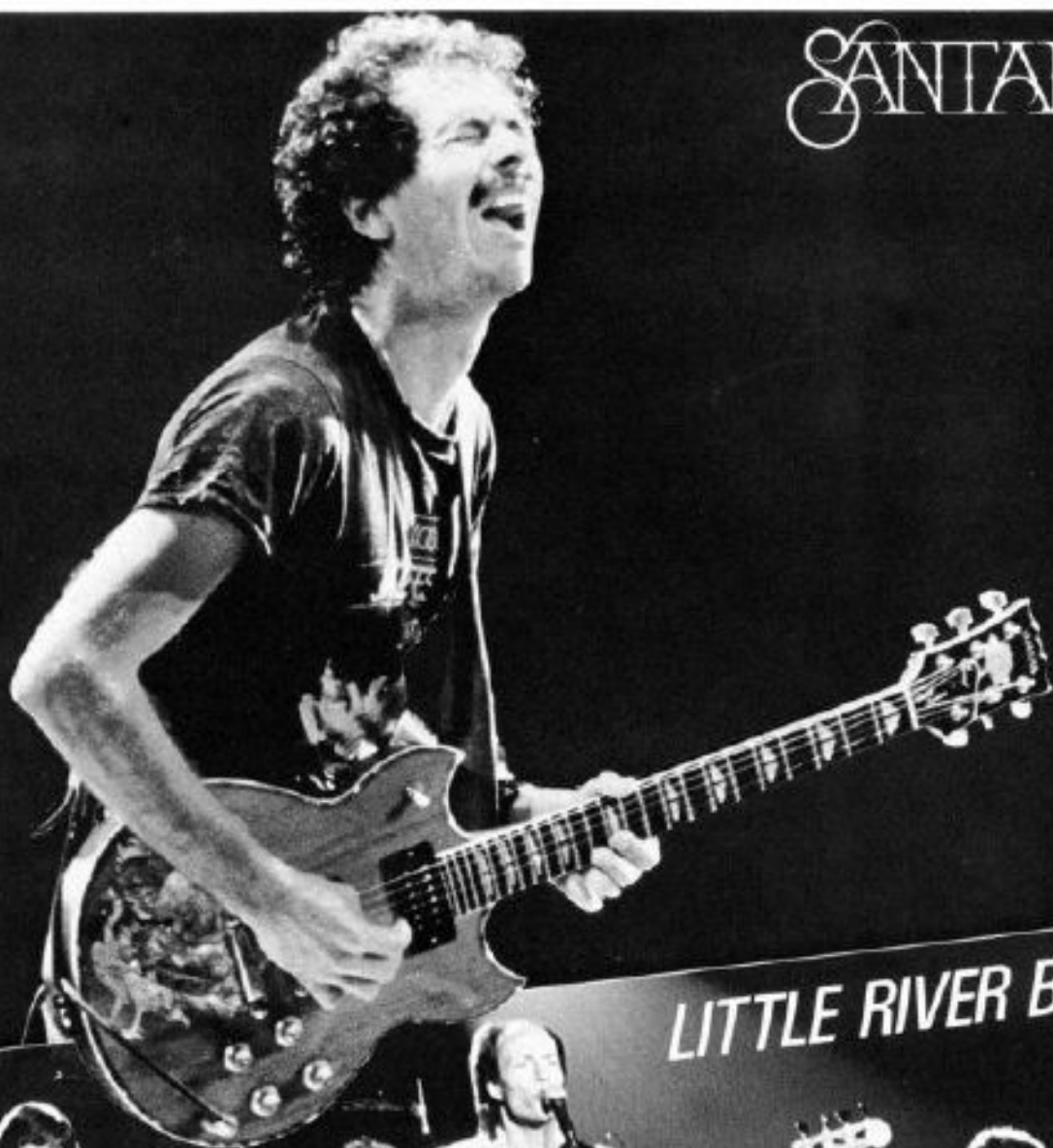
KS100

Output Power 100W (RMS)
Woofer: 1 x 15" (38cm) JA3803
Tweeter: JA4204
4 Input Channels



ELECTRIC GUITARS & BASSES

SANTANA



LITTLE RIVER BAND



Electric Guitars

SG Series
Solid body
(Humbucking)

New



SG20005

Deep Green
Brown Sunburst
Cherry Sunburst



SG10005

Cherry Sunburst
Black
[Left-handed model
SG10005L available
on order]



SG400

Brown Sunburst
Cherry



SG300

Burgundy
Black

SF Series
Solid body
(Humbucking)

New



SF1200

Persimmon Red
Oil Stain



SF600

Chestnut
Jade Green



SF400

Metallic Red
Oil Stain

SG20005
SG10005

SG400
SG300

SF1200
SF600
SF400

SC Series
Solid body
(Single Coil)

New

SC600

Persimmon Red
Oil Stain

SC400

Persimmon Red
Oil Stain



Yamaha Guitars and Basses Help

SG Series

Uncompromising choice and combining of woods, faultless craftsmanship and powerful open-type humbucking pickups deliver outstanding sustain and bright, sparkling sound. Clean, elegant double cutaway design affords easy access all the way to the highest neck positions.

SF Series

This series is ideal if you need a really solid sound with plenty of punch. You also have extensive distortion control right at your fingertips so a wild, hard-rock sound is incredibly easy to achieve. All models in this series have Alnico-5 pickup magnets for extra power and projection.

SC Series

A unique design based on advanced Yamaha human-engineering achieves superb playability and balance. Form-fitting design permits easy access throughout the instrument's range.

SA Series
Semi-Acoustic

SA2000S
Antique Stain
Burgundy

SA2000
Brown Sunburst
Burgundy

SA1200S
Brown Sunburst
Burgundy



AE Series Acoustic

To Make Your Music Understood.

SA Series

For that smooth, mellow jazz sound the SA2000S and SA1200S with their selected spruce tops are undoubtedly the professionals choice. They also feature Yamaha's unique B3-Sound single-coil/humbucking pickup switching system for exceptional tonal flexibility. An outstanding alternative is the SA2000 with a choice beech and birch body and a mahogany neck for really meaty, perfectly balanced sound.

AE Series

Featuring precision craftsmanship and the kinds of materials found in only the finest acoustic guitars, the AE2000 and AE1200 provide the warm sound and intimate playability that contemporary jazz and crossover musicians demand.

BB Series

These fine bass guitars offer full, balanced response with startling punch and definition. Yamaha basses are developed in cooperation with leading performing musicians, so you're guaranteed ideal sound and response for contemporary playing styles.



AE 2000
Antique Stain

AE1200
Antique Stain

Electric Basses

BB Series

Solid body

New



BB2000

Natural
Brown Stain
(Fretless model BB2000F
available on order)

BB1200S

Deep Green
Burgundy
(Left-handed model
BB1200SL available
on order)

BB1000S

Oil Stain
Persimmon Red

BB400S

Natural
Chestnut

Strings

Electric Guitar Strings

Extra Light Gauge

H-1070 Complete Set

H-1071	E-1st	0.20mm (0.008")	Plain
H-1072	B-2nd	0.26mm (0.010")	Plain
H-1073	G-3rd	0.35mm (0.014")	Plain
H-1074	D-4th	0.59mm (0.023")	Wound
H-1075	A-5th	0.74mm (0.029")	Wound
H-1076	E-6th	0.94mm (0.037")	Wound

Super Light Gauge

H-1060 Complete Set

H-1061	E-1st	0.23mm (0.009")	Plain
H-1062	B-2nd	0.29mm (0.011")	Plain
H-1063	G-3rd	0.40mm (0.016")	Plain
H-1064	D-4th	0.65mm (0.026")	Wound
H-1065	A-5th	0.82mm (0.032")	Wound
H-1066	E-6th	1.06mm (0.042")	Wound

Light Gauge

H-1020 Complete Set

H-1021	E-1st	0.26mm (0.010")	Plain
H-1022	B-2nd	0.32mm (0.013")	Plain
H-1023	G-3rd	0.42mm (0.017")	Plain
H-1024	D-4th	0.65mm (0.026")	Wound
H-1025	A-5th	0.82mm (0.032")	Wound
H-1026	E-6th	1.17mm (0.046")	Wound

Regular Gauge

H-1010 Complete Set

H-1011	E-1st	0.32mm (0.013")	Plain
H-1012	B-2nd	0.40mm (0.016")	Plain
H-1013	G-3rd	0.69mm (0.028")	Wound
H-1014	D-4th	0.82mm (0.032")	Wound

H-1015	A-5th	1.11mm (0.044")	Wound
H-1016	E-6th	1.36mm (0.054")	Wound

Flat Wound Regular Gauge

H-3010 Complete Set

H-3011	E-1st	0.35mm (0.014")	Plain
H-3012	B-2nd	0.45mm (0.018")	Plain
H-3013	G-3rd	0.66mm (0.027")	Flat Wound
H-3014	D-4th	0.90mm (0.035")	Flat Wound
H-3015	A-5th	1.18mm (0.048")	Flat Wound
H-3016	E-6th	1.56mm (0.059")	Flat Wound

Electric Bass Strings

Round Wound for Long Scale Bass

H-4030 Complete Set

H-4031	G-1st	1.12mm (0.045")	Round Wound
H-4032	D-2nd	1.60mm (0.065")	Round Wound
H-4033	A-3rd	2.13mm (0.085")	Round Wound
H-4034	E-4th	2.72mm (0.105")	Round Wound

Flat Wound for Long Scale Bass

H-4020 Complete Set

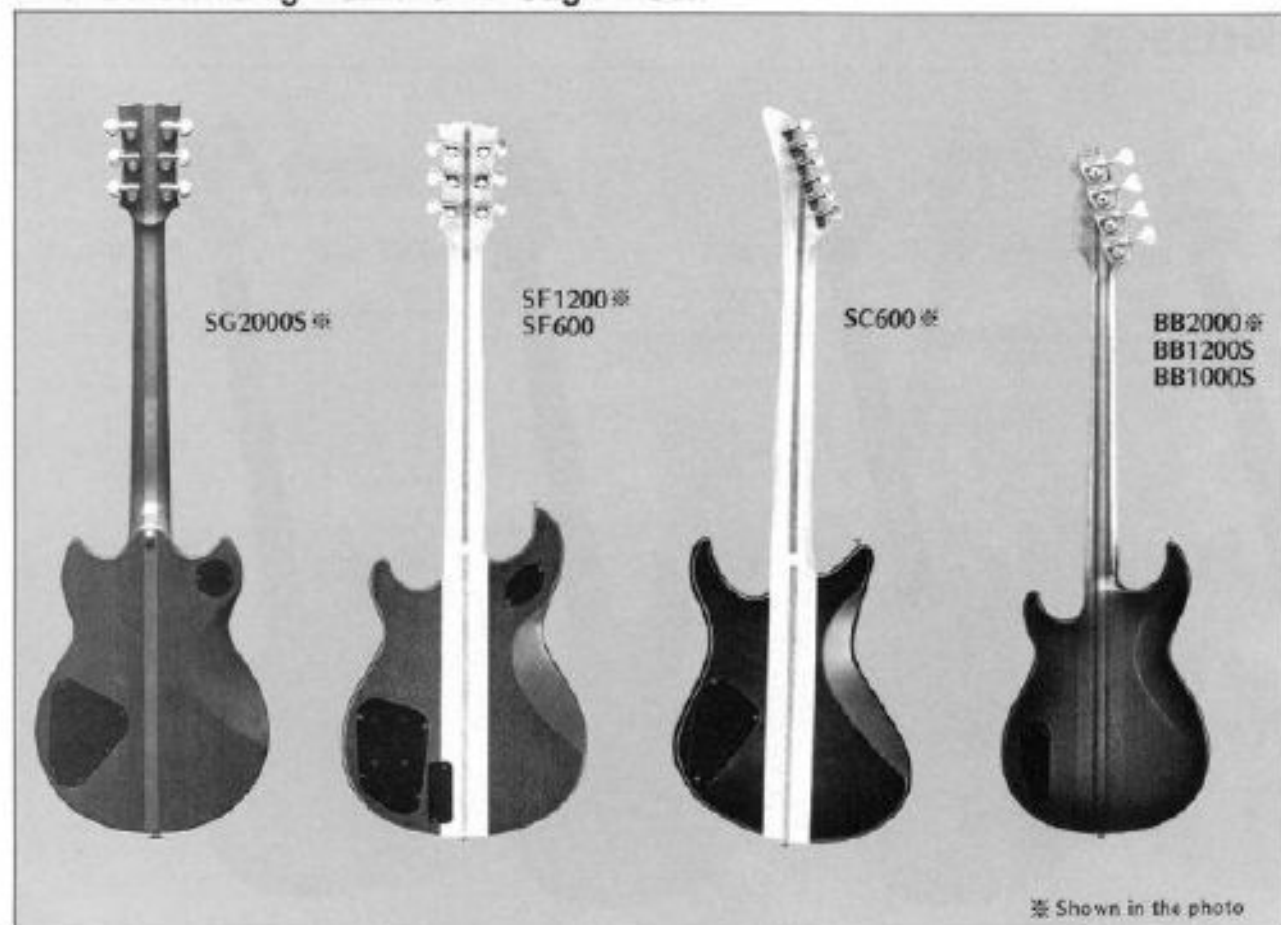
H-4021	G-1st	1.28mm (0.050")	Flat Wound
H-4022	D-2nd	1.59mm (0.062")	Flat Wound
H-4023	A-3rd	2.12mm (0.083")	Flat Wound
H-4024	E-4th	2.39mm (0.094")	Flat Wound

Flat Wound for Short Scale Bass

H-4010 Complete Set

H-4011	G-1st	1.26mm (0.050")	Flat Wound
H-4012	D-2nd	1.67mm (0.065")	Flat Wound
H-4013	A-3rd	2.00mm (0.080")	Flat Wound
H-4014	E-4th	2.50mm (0.100")	Flat Wound

The Outstanding Feature: Through Neck



Super-Sound Feature: the Yamaha Through-Neck

Many of Yamaha's finest guitars and basses feature a through-neck design in which the neck extends all the way to the heel of the body, rather than being glued or bolted in a set-neck configuration. This means more efficient, more uniform transmission of string vibration to the body and pickups for dramatically improved response and playability. The Yamaha through-neck is featured on the SG2000S, SF1200, SF600, SC600, BB2000, BB1200S and BB1000S.

※ Shown in the photo

H-1070	H-1010
H-1060	H-3010
H-1020	H-4030

H-4020
H-4010

EFFECTORS

New



PHASER

PH-01
Functions: Speed, Depth



CHORUS

CH-01
Functions: Speed, Depth, Direct Out for Stereo



FLANGER

FL-01
Functions: Speed, Depth, Feedback, Manual



OCTAVER

OC-01
Functions: Effect Level, Direct Level, Polarity SW(A/B)



DISTORTION

DI-01
Functions: Tone, Distortion, Out Level



TONE BOOSTER

TB-01
Functions: Treble, Bass, Gain, Out Level



PARAMETRIC EQ

PE-01
Functions: Band-Width, Frequency, Gain



COMPRESSOR

CO-01
Functions: Sensitivity, Out Level, Attack SW (1, 2)



LIMITER

LI-01
Functions: Release Time, Threshold, Out Level



NOISE GATE

NG-01
Functions: Threshold, Release Time



LINE SELECTOR

LS-01
Functions: SEND 1, 2 Return 1, 2



MINI PEDAL

MP-01
Functions: Pedal Volume, Sub Volume



ANALOG DELAY

AD-10
Functions: Input Level, Delay Time, Feedback, Effect Level, Peak Indicator, Power Indicator

* COMMON FEATURES

Indicator, Effect Foot Switch, Input (Standard phone jack with built-in power switch) Output (Standard phone jack)

* AC ADAPTORS

Special AC adaptors are available to power your effects units from 220 – 240 volts AC (SA-01) or from 110 – 120 volts AC (SA-02).



PROFESSIONAL SYSTEM BOARD SB-100

Functions: Pedal Function SW, CV Selector SW



PROFESSIONAL SYSTEM BOARD SB-200

Functions:
Front Panel: Out Level Indicator, All Pass SW., Phones In, Phones Out, Phone Volume, Signal Cord Check
Patch Panel: In, Out, CV, Inst Direct Out, Final In, Junction
Rear Panel: Panel Light Connector

PH-01
CH-01
FL-01

OC-01
DI-01
TB-01

PE-01
CO-01
LI-01

NG-01
LS-01
MP-01

AD-10
SB-100
SB-200

Producer Series

New



Headphone Amplifier

MA10

Controls: Volume, Master Volume, Treble, Bass, HP Level, Aux In, Monitor In 1/2
 Jacks: Input, HP Out 1/2, Monitor In 1/2, Monitor Out 1/2, Aux In L/R, Line Out L/R
 Ambience Effect, Battery (1"R6" x 6) or AC adaptor



Portable Mixer

MM10

Input: 4ch. (Volume, Panpot, Mic/Line),
 Aux In x 2 (with 1 volume)
 Output: Program Out x 2 (with Master Volume)
 Line Out x 2
 Battery (6F22 x 1) or AC Adaptor



MA10/MM10 Dimensions:
 W223.5 x H52 x D129.5 (mm)



Stereo Headphones

MH10

Dynamic Type, Frequency Response 20~20kHz,
 Sensitivity 99dB/mW/1kHz, Impedance 40Ω



Micro-Monophonic Synthesizer

CS01

32 keys (F₁~C₅)
 Controls: LFO, Glissando, VCO, VCF, VCA, EG,
 Wheel (Pitch, Modulation), Breath Control (VCF,
 VCA), Volume
 Battery (1"R6" x 6) or AC Adaptor
 Built-in Amp/Speaker
 Dimension: W489 x D160 x H36mm, Weight: 1500g



Breath Controller
 BC1



AC Adaptor PA-1



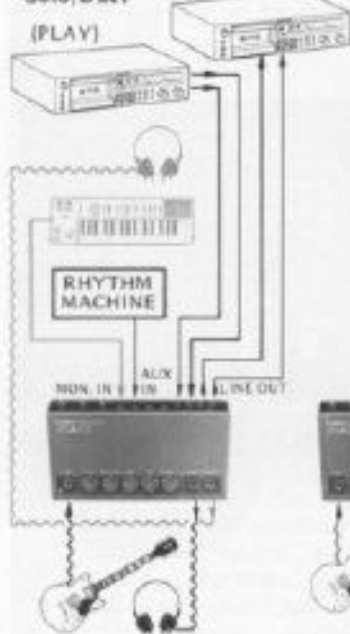
MSC-10 Soft Case
 for MA, MM



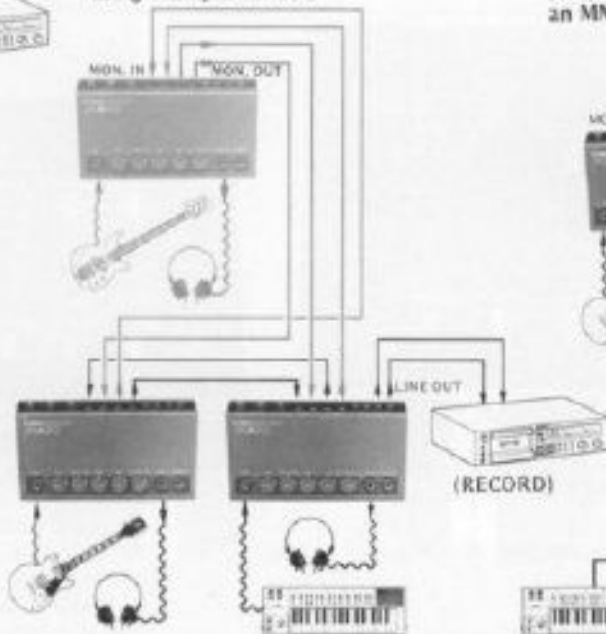
SC-01 Soft Case
 for CS01

APPLICATION

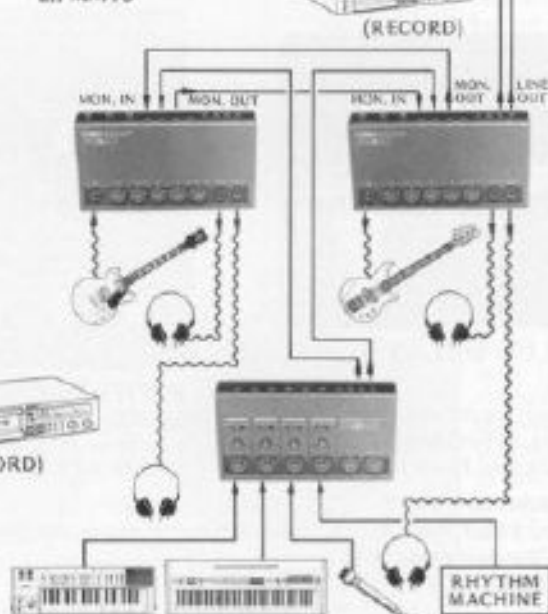
Setup 1 Solo/Duet



Setup 2 Private group practice using multiple MA10's



Setup 3 One possible ensemble setup using MA10's and an MM10



GUITAR & BASS AMPLIFIERS

Stackable Guitar & Bass Amplifiers (separate type)

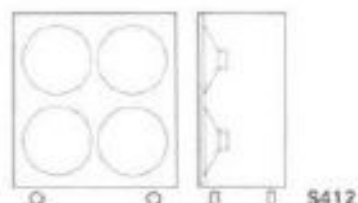
B100II

Bass Amplifier Head
100 Watts RMS @10% THD
into 4 to 8Ω
Controls: Volume, Treble, Middle,
Bass, 5-Band EQ, Signal Out
530x240x280mm
(20-3/4x9-1/2x11)"
13.5kg (29.8 lbs)

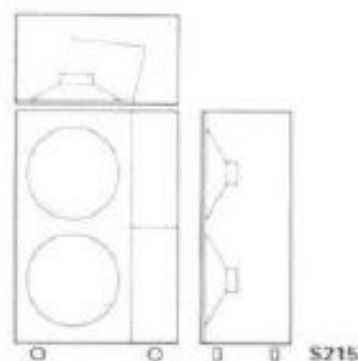
G100II

Guitar Amplifier Head
100 Watts RMS @10% THD
into 4 to 8Ω
Controls: Volume(CH.A), Pull
Fat(CH.A) Treble, Pull Bright,
Middle, Bass, Gain(CH.B) Pull
Fat (CH.B), Master Volume(CH.B),
Parametric EQ, Reverb, Reverb F. SW,
Jack, CH.A/B Select F. SW, Jack,
Direct Out
634x270x280mm(24-3/4x10-1/2x11)"
16.5kg (36.4 lbs)

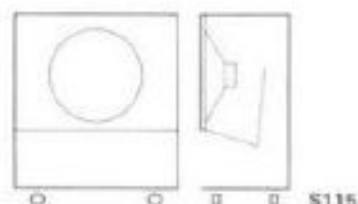
ENCLOSURE DESCRIPTIONS



S412



S215



S115



S115

Speaker Enclosure
Power Rating: 120 Watts RMS
1 x 15" (38cm) JA3807 speaker
Impedance: 8Ω
707x820x380mm
(27-3/4x32-1/4x15)"
41kg (90.4 lbs)

S215

Speaker Enclosure
Power Rating: 240 Watts RMS
2 x 15" (38cm) JA3807 speaker
Impedance: 4Ω
707x1,070x380mm
(27-3/4x42-1/8x15)"
55kg (121.3 lbs)

S412

Speaker Enclosure
Power Rating: 240 Watts RMS
4 x 12" (30cm) JA3066 Speaker
Impedance: 8Ω
707x820x380mm(27-3/4x32-1/4x15)"
42kg (92.6 lbs)

* Height includes casters.

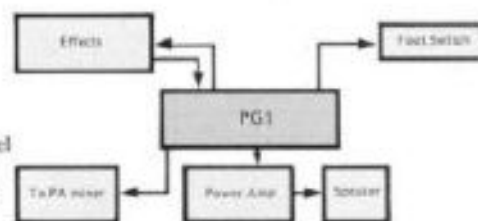
Pre-Amplifiers New



PG1 for Guitar

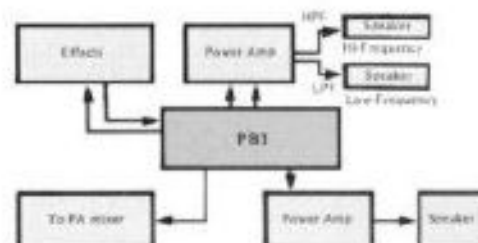
Controls: Ach (Volume, Treble, Middle, Bass), Bch (Gain, Master Volume, Treble, Middle, Bass), Parametric EQ, Reverb, Phones Level
Rear Panel: Effect Send & Return with Level Control, Output (Balanced/Unbalanced) (Foot Switch: Ch. A/B, PEQ, IN/OUT, Reverb ON/OFF)

APPLICATION



PB1 for Bass

Controls: Volume, Treble, Middle, Bass, Parametric EQ, Crossover (LPF ... LEVEL/FREQ., HPF ... LEVEL/FREQ.)
Rear Panel: Effect Send & Return with Level Control Output (Balanced/Unbalanced LPF/HPF Out)



G100II	S412
B100II	S215
	S115

PG1
PB1

Guitar & Bass Amplifiers (built-in type)

G&B Mark II Series

G100-115II

100 Watts RMS @10% THD
into 8Ω
1 x 15" (38cm) JA3802
speaker

G100-112

100 Watts RMS @10% THD
into 8Ω
1 x 12" (30cm) JA3062
speaker

B100-115II

(Bass Amplifier.)
100 Watts RMS @10% THD
into 8Ω
1 x 15" (38cm) JA3807
speaker

B50-115II

(Bass Amplifier.)
50 Watts RMS @10% THD
into 8Ω
1 x 15" (38cm) JA3855
speaker

G100-212II

100 Watts RMS @10% THD
into 4Ω
2 x 12" (30cm) JA3066
speaker

G50-112II

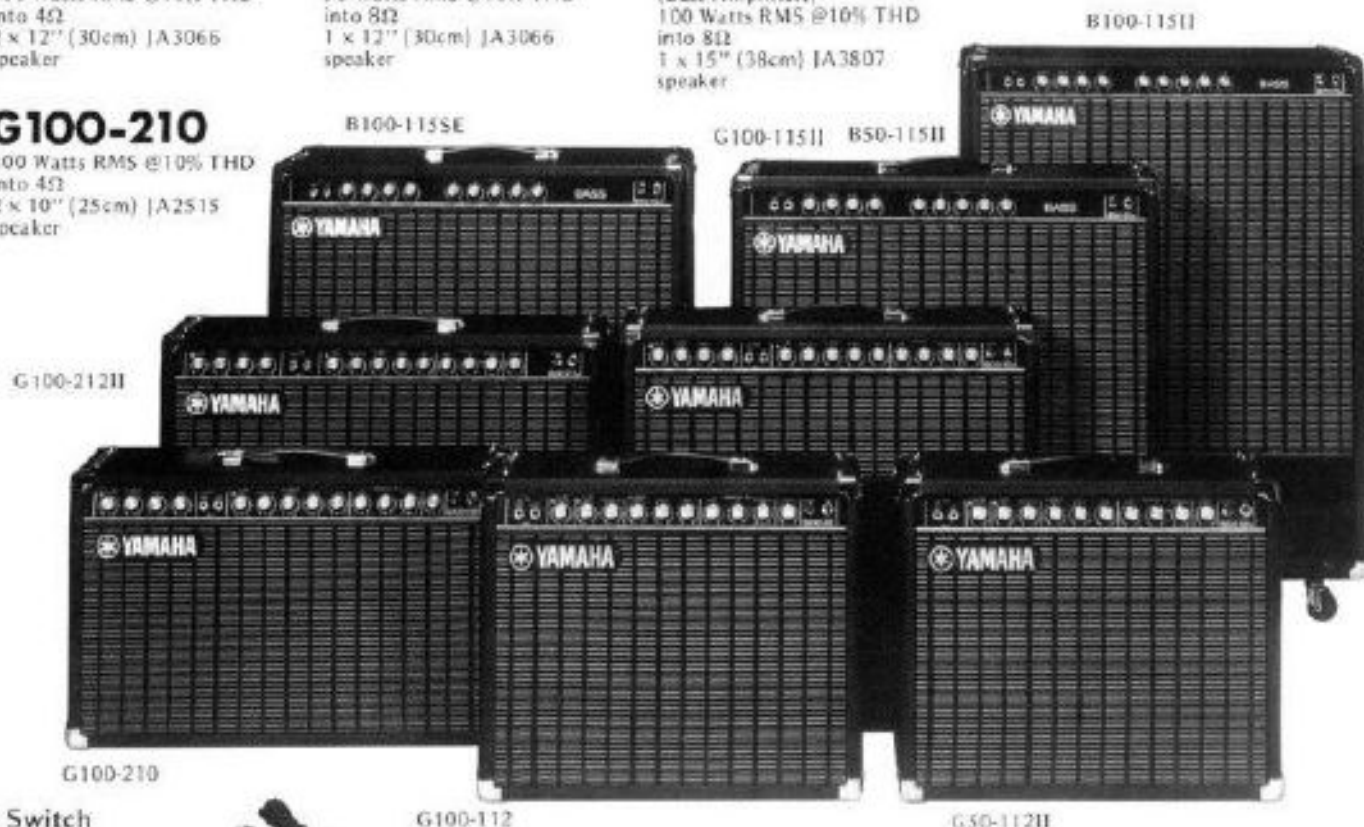
50 Watts RMS @10% THD
into 8Ω
1 x 12" (30cm) JA3066
speaker

B100-115SE

(Bass Amplifier.)
100 Watts RMS @10% THD
into 8Ω
1 x 15" (38cm) JA3807
speaker

G100-210

100 Watts RMS @10% THD
into 4Ω
2 x 10" (25cm) JA2515
speaker



Foot Switch FS-2

The twin-button foot switch
for guitar amps.



PHISICAL DIMENSIONS

Model	Dimensions (W x H x D)	Net Weight	Model	Dimensions (W x H x D)	Net Weight
G100-115II	634 x 600* x 280 mm (25 x 23-1/2* x 11)"	31 kg (68.3 lbs)	JX50	544 x 455 x 210 mm (21-1/2 x 18 x 8-1/4)"	15.2 kg (33.5 lbs)
G100-212II	687 x 560* x 280 mm (27 x 22* x 11)"	28 kg (61.7 lbs)	JX40	508 x 455 x 210 mm (20 x 18 x 8-1/4)"	14.2 kg (31.3 lbs)
G100-210	634 x 410 x 270 mm (25 x 16-1/8 x 10-1/2)"	23 kg (50.7 lbs)	JX30	473 x 455 x 210 mm (18-1/2 x 18 x 8-1/4)"	13.6 kg (29.9 lbs)
G100-112	530 x 450 x 270 mm (20-3/4 x 17-3/4 x 10-1/2)"	21 kg (46.3 lbs)	JX20	420 x 400 x 200 mm (16-1/2 x 15-3/4 x 7-3/4)"	12.0 kg (26.5 lbs)
G50-112II	530 x 450 x 270 mm (20-3/4 x 17-3/4 x 10-1/2)"	18 kg (39.7 lbs)	JX50B	594 x 680 x 300 mm (23-1/4 x 26-3/4 x 11-3/4)"	26.6 kg (58.6 lbs)
B100-115II	687 x 950* x 370 mm (27 x 37-1/2* x 14-1/2)"	52 kg (114.6 lbs)	JX30B	544 x 635 x 280 mm (21-1/2 x 25 x 11)"	22.0 kg (48.5 lbs)
B100-115SE	687 x 790* x 400 mm (27 x 31-1/8* x 15-3/4)"	44 kg (97 lbs)	G-5	300 x 255 x 150 mm (11-3/4 x 10 x 6)"	4 kg (8.9 lbs)
B50-115II	687 x 790* x 320 mm (27 x 31-1/8* x 12-1/2)"	35 kg (77.2 lbs)			

* Height includes casters.

G100-115II
G100-212II
G100-210

G100-112
G50-112II

B100-115II
B100-115SE
B50-115II

FS-2

JX Series



JX50

50 Watts RMS @3% THD
into 8Ω
1 x 12" (30cm) JA3066
speaker

JX40

30 Watts RMS @3% THD
into 8Ω
1 x 12" (30cm) JA3066
speaker

JX30

30 Watts RMS @3% THD
into 8Ω
1 x 12" (30cm) JA3067
speaker

JX20

20 Watts RMS @3% THD
into 8Ω
1 x 10" (25cm) JA2513
speaker

JX50B

(Bass Amplifier)
50 Watts RMS @3% THD
into 8Ω
1 x 15" (38cm) JA3853
speaker

JX30B

(Bass Amplifier)
30 Watts RMS @3% THD
into 8Ω
1 x 15" (38cm) JA3854
speaker



G-5

G-5

7 Watts RMS @ 10% THD
into 4Ω
1 x 16cm JA1651
speaker

CONTROL AVAILABILITY CHART

	G100-212II Ch.A Ch.B	G180-210 Ch.A Ch.B	G160-115II Ch.A Ch.B	G100-112 Ch.A Ch.B	G50-112II Ch.A Ch.B	B100-115II B100-115SE	B50-115II	JX50	JX40	JX30	JX20	JX50B	JX30B	G-5
FRONT PANEL CONTROLS														
VOLUME	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PULL FAT	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PULL GAIN								•	•	•	•	•	•	•
TREBLE	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PULL BRIGHT	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIDDLE	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BASS	•	•	•	•	•	•	•	•	•	•	•	•	•	•
GAIN		•	•	•	•	•	•	•	•	•	•	•	•	•
PULL FAT		•	•	•	•	•	•	•	•	•	•	•	•	•
MASTER VOLUME		•	•	•	•	•	•	•	•	•	•	•	•	•
FAT								•	•	•	•	•	•	•
BASS BOOST								•	•	•	•	•	•	•
PARAMETRIC EQ.	•	•	•	•	•	•	•	•	•	•	•	•	•	•
REVERB	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5-BAND EQ.								•	•	•	•	•	•	•
HEADPHONES JACK								•	•	•	•	•	•	•
REAR PANEL JACKS														
REVERB JACK	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CH. A/B SELECT JACK	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HEADPHONES JACK														•
DIRECT OUT JACK	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIGNAL OUT CONNECTOR						•								

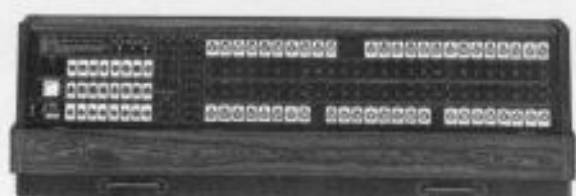
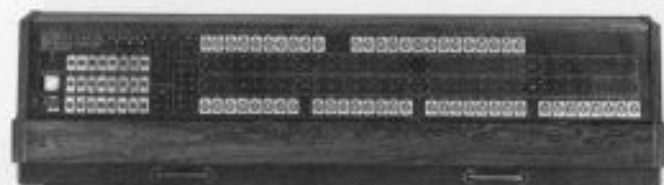
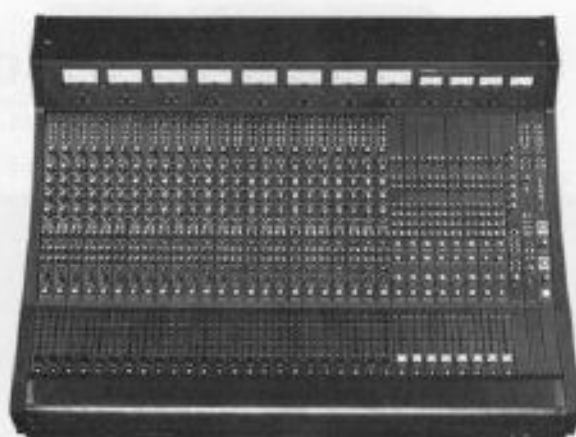
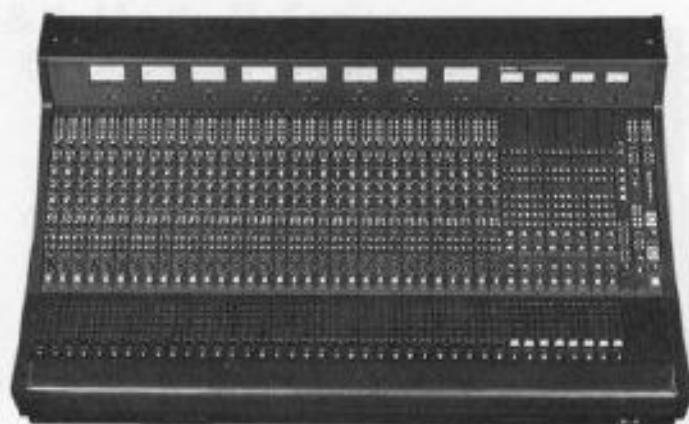
JX50
JX40
JX30

JX20
JX50B
JX30B

G-5

SOUND REINFORCEMENT

Mixing Consoles



PM-2000-32

PM-2000-24

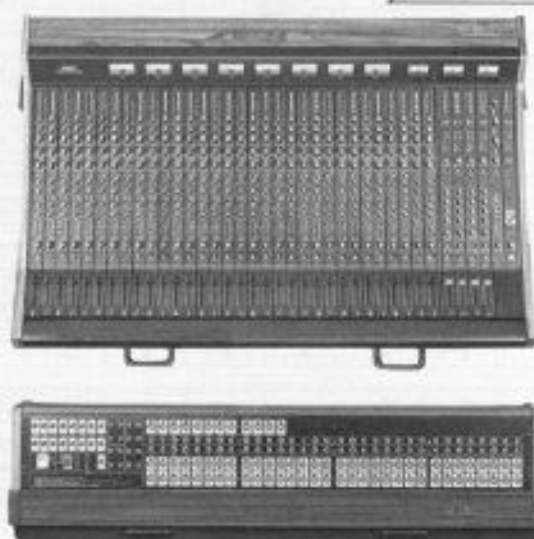
PM-2000 (32 or 24)

Inputs: 32 Channel (PM-2000-32), 24 Channel (PM-2000-24), 14 Sub In, 8 Aux In, 2 Effects In, 1 Talkback Mic In, 1 Talkback Line In, 32 or 24 Interstage Patch Fader In, 8 PGM Patch In, 4 FB Patch In, 2 Echo Patch In, Outputs: 8 PGM Out, 8 Matrix Out, 4 FB Out, 2 Echo Out, 1 Talkback Out, 2 Headphones, 1 Mono Phones, 32 or 24 Input Module Interstage Patch EQ Out, 8 PGM Patch Out, 4 FB Patch Out, 2 Echo Patch Out, CH. On/Off Switch, 4-band Equalization, 2 High Pass Filter, EQ On/Off Switch, Echo 1*, Echo 2*, FB 1*, FB 2*, FB 3*, FB 4*, Pan Pot, Pan Pot On/Off Switch, 8 Output Assign Switch, Phase Switch, Phantom Switch, Sensitivity Selector, Cue Button

* with Pre-or Post-Fader Selector Switch

M series

New



M1532

Inputs: 32 Channel:
Fader, EQ (4 Stage), EQ (4 Stage), ECHO 1,2 VOL, FB 1,2 VOL, Panpot, Input Level Switch, QSW, Phantom SW, pre/post Switch, HPF Switch, M1/M2 Switch Assign Switch, Cue Switch.
Effects In: Volume, Assign Switch
Master: PGM Fader (CH 1 ~ CH 4), PGM Switch (CH 1 ~ CH 4), Echo Volume, Echo Switch (1, 2), FB Volume (1, 2), FB Switch (1, 2)
Mtrx: PGM Volume (CH 1 ~ CH 4), Master Volume, Mtrx Switch
Phones: Volume, Select Switch,
Talkback: Volume, Assign Switch, Gain Switch, OSC Switch, TB Out Switch.



M1516

Inputs: 16 Channel
 Input Controls: Channel Fader, Cue, CH on/off, Input Level Switch M1/M2 Switch, CH Phantom on/off, FB Volume, Echo 1, 2 Volume, HPF, 4-Band Equalization, Pan pot, Peak Indicator
 Master Controls: PGM Fader, MTRX Master Volume, MTRX on/off Switch, MTRX Volume, Effects in, Cue Effects in Volume, Effects in Assign Switch, FB1, 2 Volume, FB on/off, Echo 1, 2 Volume, Echo on/off Headphone Monitor Switch, Phones Level Volume Talk Back: Talk Back on/off Switch, Input Level Volume, Volume, Mic/Line Switch, Phantom Master Switch



M916

Inputs: 16 Channel
 Input Controls: Channel Fader, Cue, Input Level Switch Peak Indicator, M1/M2 Switch, FB1, 2 Volume, Echo 1, 2 Volume, Low-EQ, Mid EQ, High-EQ, HPF, Pan pot Output Controls: PGM L, R Fader, FB1, 2 Fader, Cue MTRX Master Volume, PGM L, R Volume, FB 1, 2 Volume, Aux In Volume, Effects in 1, 2 Volume, Pan pot, Echo 1, 2 Volume, Phones Level, Phones Selector Switch, Talk Back Controls: Talk Back on/off Switch, Input Level Volume, Talk Back out selector switch, Phantom Switch



M512

Inputs: 12 Channel
 Input Controls: CH Fader, Input level Switch, Low-EQ, Mid-EQ, High-EQ, Pan pot, FB, Echo, Peak Indicator
 Effects in: Volume, Pan pot
 Output Controls: PGM Master Faders (L, R), FB Master Fader, Echo Master Fader, Phones Level Volume, Headphone, Selector Switch, Phantom Switch



M508

Inputs: 8 Channel
 Input Controls: CH Fader, Input level Switch, Low-EQ, Mid-EQ, High-EQ, Pan pot, FB, Echo, Peak Indicator
 Effects in: Volume, Pan pot
 Output Controls: PGM Master Faders (L, R), FB Master Fader, Echo Master Fader, Phones Level Volume, Headphone, Selector Switch, Phantom Switch

New



M406

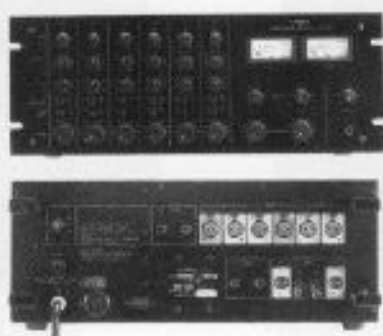
Input Controls (CH 1 ~ CH 6): CH Volume, Input Level Switch (-60/-50/-35/-20/-10/+4) High-EQ, Mid-EQ, Low-EQ, Echo Volume, Pan
 Effects in [1, 2]: Volume, Pan
 Output Controls: PGM (L/R), Echo, Phones & Meter Selector (PGM/ECHO), Phones Volume

PM series



PM-210

(Monaural Mixer)
 Inputs: 8 Channel, 2 Auxiliary (Mono)
 Outputs: 2 Program, 1 Monitor, 1 To Echo,
 1 Aux Out, 1 Phones
 Input Channel Controls: Fader, High EQ,
 Low EQ, Monitor (Reverb/Echo), Sensitivity
 Selector



PM-180

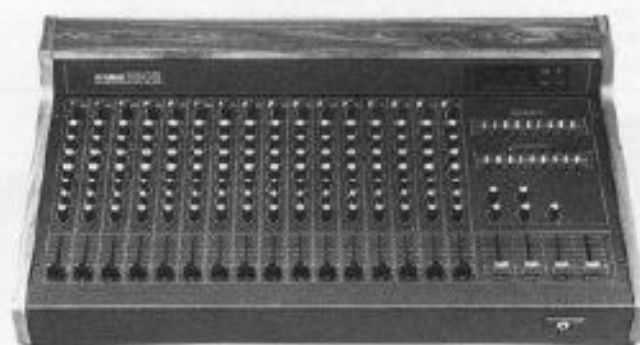
Inputs: 6 Channel, 1 Auxiliary (Stereo)
 Outputs: 2 Program A, 2 Program B, 1
 Phones
 Input Channel Controls: Volume, High EQ,
 Low EQ, High Pass Filter, Pan Pot, Sensitivity
 Selector



PM-170

Inputs: 6 Channel, 1 Auxiliary (Stereo)
 Outputs: 2 Program A, 2 Program B, 1
 Phones
 Input Channel Controls: Volume, High EQ,
 Low EQ, High Pass Filter, Pan Pot, Sensitivity
 Selector

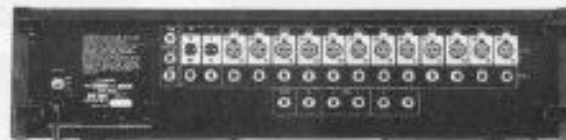
MQ series



MQ1602



MQ1202

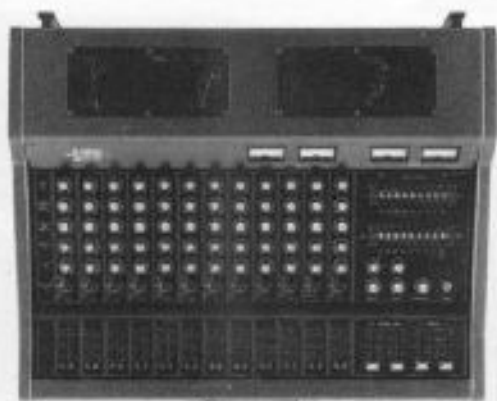


MQ1602 MQ1202 *MQ802

Input Controls: 16 Channel (MQ1602), 12 Channel (MQ1202),
 8 Channel (MQ802), CH Fader, Pan pot, EQ (4 stage), ATT (6 step)
 FB (pre), ECHO (post), Peak indicator, Aux in 1, 2, Aux in Volume,
 Aux Pan pot,
 Output: PGM (L,R), FB, Echo, Phones,
 9-Band G-EQ (x2), 2ch Bar Graph Meter, Sub in PGM (L,R),
 Sub in FB/Echo, PGM on/off, Echo on/off, FB on/off
 MQ1602 General Model has Multi Connector

* Photo not shown.
 Same specifications as MQ1602/1202
 but comes with 8 input channels.

Self-Powered Mixers



EM-300

Power Output: 280W (140W + 140W) into 8Ω [Power Output: 400W (200W + 200W) into 4Ω*]
 Inputs: 12 Channel (Lo-Z, Hi-Z), 2 Aux In, Echo, Return, Graphic EQ In (L, R), Power Amp. In (L, R), 2 Monitor Sub In
 Outputs: 2 Speaker Out (L, R), Line Out (L, R), Graphic EQ Out (L, R), 2 Monitor Out, Echo Send, Phones
 Input Channel Controls: Fader, Low EQ, High EQ, Monitor 1 (Reverb/Echo), Monitor 2, Pan Pot, Sensitivity Selector



EM-200

Power Output: 170W (85W + 85W) into 8Ω [Power Output: 240W (120W + 120W) into 4Ω]
 Inputs: 8 Channel (Lo-Z, Hi-Z), 2 Aux In, Echo Return, Graphic EQ In (L, R), Power Amp. In (L, R), 2 Monitor Sub In
 Outputs: 2 Speaker Out (L, R), Line Out (L, R), Graphic EQ Out (L, R), 2 Monitor Out, Echo Send, Phones
 Input Channel Controls: Fader, Low EQ, High EQ, Monitor 1 (Reverb/Echo), Monitor 2, Pan Pot, Sensitivity Selector



EM-150II

Power Output: 150W (75W + 75W) into 8Ω [Power Output: 200W (100W + 100W) into 4Ω*]
 Inputs: 6 Channel (Lo-Z, Hi-Z), Aux In (L, R), Echo Return, Graphic EQ In (L, R), Power Amp. In (L, R), 2 Monitor Sub In
 Outputs: 2 Speaker Out (L, R), Line Out (L, R), Graphic EQ Out (L, R), 2 Monitor Out, Echo Send, Phones
 Input Channel Controls: Volume, Low EQ, High EQ, Monitor 1 (Reverb/Echo), Monitor 2, Pan Pot, Sensitivity Selector

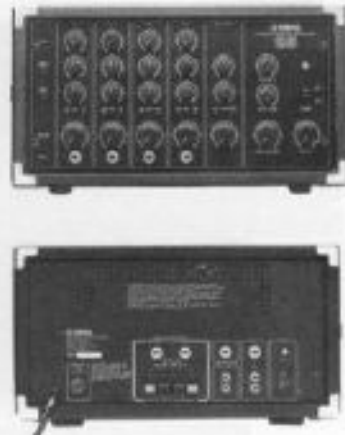


EM-120

Power Output: 100W (50W + 50W) into 8Ω
 Inputs: 6 Channel, Phono (L, R), 2 Aux In, From Echo
 Outputs: Speaker (L, R), Rec. Out (L, R), To Echo, Phones
 Input Channel Controls: Volume, Low EQ, High EQ, Reverb/Echo, Output Channel Selector, Sensitivity Selector

Self-Powered Mixers

New



EM-100II

Power Output: 100W (50W + 50W) into 8Ω
[Power Output: 140W (70W + 70W) into 4Ω*]
Inputs: 6 Channel (Lo-Z, Hi-Z), Aux In (L, R),
Echo Return, Power Amp In (L, R), 2 Monitor
Sub In
Outputs: 2 Speaker Out (L, R), Line Out (L, R),
2 Monitor Out, Echo Send, Phones
Input Channel Controls: Volume, Low EQ,
High EQ, Monitor 1 (Reverb/Echo), Monitor 2,
Pan Pot, Sensitivity Selector

EM-95

Power Output: 65W into 8Ω [100W into 4Ω]
Input: 5 channel (Mic/Inst/Line)
1 channel (Phono/Line), Aux In, Tape In
Master Controls: Function SW, Volume, Echo,
Delay Time, Feedback

EM-85

[Monaural Mixer]
Power Output: 50W into 8Ω [70W into 4Ω]
Inputs: 4 Channel, Volume, Input level switch
[MIC/INST/LINE], Input switch [AUX-1/
AUX-2/Phono], Master Volume, Echo Volume,
Echo Feedback, Echo Delay Time

Power Amplifiers



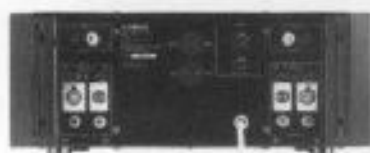
P2200

Dynamic Power:
340W + 340W (8 Ω, less than
0.1% THD @ 1kHz)
Continuous RMS Power:
230W + 230W (8 Ω, less than
0.05% THD @ 1kHz)
200W + 200W (8 Ω, less than
0.05% THD 20 ~ 20kHz)
[340W + 340W (4 Ω, less than
0.05% THD @ 1kHz)*]
Frequency Response:
+0dB, -1.5dB, 5Hz to 100kHz
(8 Ω, 1 Watt)



P2201

Dynamic Power:
340W + 340W (8 Ω, less than
0.1% THD @ 1kHz)
Continuous RMS Power:
230W + 230W (8 Ω, less than
0.05% THD @ 1kHz)
200W + 200W (8 Ω, less than
0.05% THD 20 ~ 20kHz)
[340W + 340W (4 Ω, less than
0.05% THD @ 1kHz)*]
Frequency Response:
+0dB, -1.5dB, 5Hz to 100kHz
(8 Ω, 1 Watt)



P2100

Dynamic Power:
130W + 130W (8 Ω, less than
0.1% THD @ 1kHz)
Continuous RMS Power:
95W + 95W (8 Ω, less than 0.05%
THD @ 1kHz)
85W + 85W (8 Ω, less than 0.05%
THD, 20 ~ 20kHz)
[140W + 140W (4 Ω, less than
0.05% THD, 20 ~ 20kHz)*]
200W (Monaural Mode: 16 Ω, less
than 0.05% THD, 20 ~ 20kHz)
Frequency Response:
+0dB, -1.5dB, 5Hz to 100kHz
(8 Ω, 1 Watt)



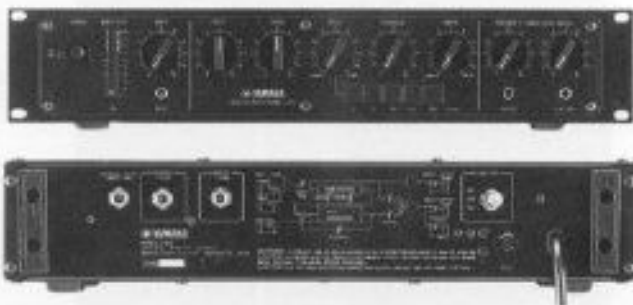
P2050

Dynamic Power:
75W + 75W (8 Ω, less than 0.1%
THD @ 1kHz)
Continuous RMS Power:
45W + 45W (8 Ω, less than 0.05%
THD, 20 ~ 20kHz)
[60W + 60W (4 Ω, less than
0.05% THD, 20 ~ 20kHz)*]
95W (Monaural Mode: 16 Ω, less
than 0.05% THD, 20 ~ 20kHz)
Frequency Response:
+0dB, -1dB, 20Hz to 50kHz (8
Ω, 1 Watt)



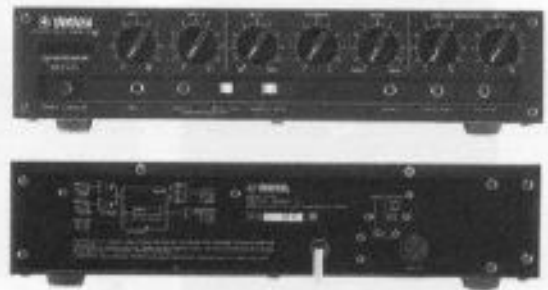
* Not applicable in U.S.A. and
Canada.

Analog Delays



E1010

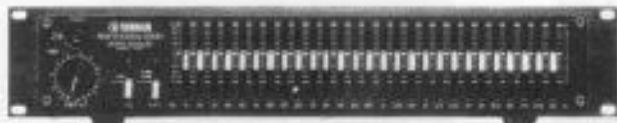
Input: 1 Input (-30dB, 80k Ω)
 Output: 1 Output (-20dB, 250 Ω), 1 Direct Only
 (-20dB, 250 Ω)
 Input Control: Input Level
 Delay Controls: Mixing (Direct/Delay), Bass, Treble,
 Delay Time, Feedback, Modulation (Frequency, Depth)
 Carrying case for E1010 available as option.



E1005

Input: Input A (-50dB, 25k Ω), Input B (Inst.)
 (-30dB, 500k Ω)/MIC. (-50dB, 25 k Ω)
 Output: 1 Output (-20dB, 250 Ω), 1 Delay Only
 (-20dB, 250 Ω)
 Input Controls: Input A Level, Input B Level
 Delay Controls: Mixing (Direct/Delay), Delay Time,
 Feedback, Modulation (Frequency, Depth)

Graphic Equalizer



Q1027

Center Frequencies: 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400,
 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k,
 12.5k, 16kHz
 High Pass Filter: 40Hz \pm 10%, 80Hz \pm 10% (-18dB/octave)

Frequency Dividing Networks



F1040

[Electronic Crossover]
 4Way/3Way-1/3Way-2/2Way Selectable Cross-
 over Frequency
 (12 or 18dB/octave)
 Low: 70, 100, 150, 200, 330, 500Hz
 Mid: 0.5k, 0.8k, 1k, 1.2k, 1.6k, 2kHz
 High: 1.2k, 2k, 3.3k, 5k, 7k, 8kHz
 High Pass Filter Switch: 40Hz (12dB/octave)

F1030

[Electronic Crossover]
 2Way-1/2Way-2/3Way Selectable Crossover
 Frequency
 High Pass Filter Internal Switch: 40Hz
 (12dB/octave)
 Left-Hand Set: 250, 500, 800, 1k, 1.2k, 1.5kHz
 (12 or 18dB/octave)
 Right-Hand Set: 2k, 2.5k, 5k, 7k, 8kHz (12 or
 18dB/octave)

Speaker Systems



S5115HT

Power Rating: 150W
 Woofer: 1 x 15" (38cm) JA3806
 M.F. Driver & Horn: 1 x JA6603
 Tweeter: 1 x JA4205
 Nominal Impedance: 8 Ω



S4115H

Power Rating: 100W
 Woofer: 1 x 15" (38cm) JA3803
 H.F. Driver & Horn: 1 x JA4201
 Nominal Impedance: 8 Ω



S3115H

Power Rating: 100W
 Woofer: 1 x 15" (JA3803)
 Driver & Horn: JA4204A
 Bass Reflex, Black Leathorette
 Nominal Impedance 8Ω



S0410H

Power Rating: 100W
 Woofer: 4 x 10" (25cm) JA2511
 H.F. Driver & Horn: 1 x JA4204
 Nominal Impedance: 8 Ω



S0112T

Power Rating: 80W
 Woofer: 1 x 12" (30cm) JA3061
 Woofer: 1 x 10" (25cm) JA2507
 Tweeter: 4 x JA0554
 Nominal Impedance: 8 Ω



S0110T

Power Rating: 50W
 Woofer: 1 x 10" (25cm) JA2511
 Tweeter: 1 x JA0556
 Nominal Impedance: 8 Ω



S0108T

Power Rating: 50W
 Woofer: 1 x 8" (20cm) JA2059
 Tweeter: 1 x JA0556
 Nominal Impedance: 8 Ω



S2115H

Power Rating: 100W
 Woofer: 1 x 15" (38cm) JA3803
 H.F. Driver & Horn: 1 x JA4201
 Nominal Impedance: 8 Ω



A0410H

(Self-Powered)
Power Output: 100W
Woofer: 4 x 10" (25cm) JA2511
H.F. Driver & Horn:
1 x JA4204



A4115H

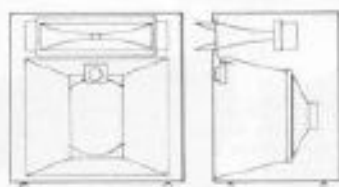
(Self-Powered)
Power Output: 100W
Woofer: 1 x 15" (38cm) JA3803
H.F. Driver & Horn:
1 x JA4201



A0112T

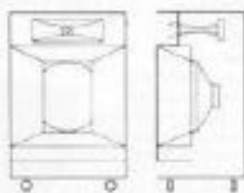
(Self-Powered)
Power Output: 75W
Woofer: 1 x 12" (30cm) JA3061
Woofer: 1 x 10" (25cm) JA2507
Tweeter: 4 x JA0554

SPEAKER SYSTEM ENCLOSURE DESCRIPTIONS & DIMENSIONS (WxHxD)



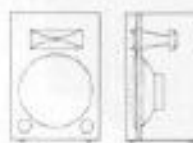
S4115H

Front Loaded Horn
Bass Reflex
780x914x600mm
(30-1/4x35x23-1/2)"
73kg (160.9 lbs)



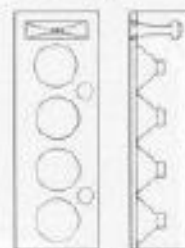
S4115H (A4115H*)

Front Loaded Horn
Bass Reflex
610x908x452mm
(24x35-3/8x17-3/4)"
S4115H: 54kg (119 lbs)
A4115H: 58kg (127.9 lbs)



S3115H

Bass Reflex
472x658x372mm
(18-5/8"x25-7/8"x14-5/8")
29.6kg (65.3 lbs)



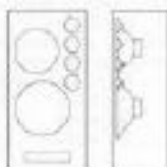
S0410H (A0410H*)

Bass Reflex
445x1270x326mm
(17-5/8x50x12-3/4)"
S0410H: 38.5kg (84.9 lbs)
A0410H: 45kg (99.2 lbs)



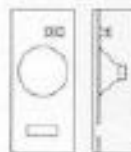
S2115H

Bass Reflex
638x561x580mm
(25-1/8x22x26-3/4)"
40kg (88.2 lbs)



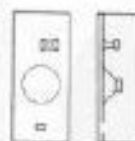
S0112T (A0112T*)

Bass Reflex
435x910x326mm
(17-1/8x35-3/4x12-3/4)"
S0112T: 29kg (63.9 lbs)
A0112T: 36kg (79.4 lbs)



S0110T

Bass Reflex
332x732x235mm
(12-3/4x28-3/4x9-3/4)"
16kg (35.3 lbs)



S0108T

Bass Reflex
261x642x210mm
(10-3/4x25-3/4x8-3/4)"
10kg (22 lbs)

* built-in power amplifier

Speaker Components



JA3881 / 3881B L.F. Drivers

Type: 15" (38cm) cone
 Nominal Impedance: 8 Ω (JA3881) or 16 Ω (JA3881B) version available
 Sensitivity: 99dB SPL/1 meter/1 watt
 Free Air Resonance: 40Hz
 Frequency Range: 40Hz to approximately 5,000Hz
 Highest Recommended Crossover Frequency: 3,000Hz
 Power Handling: 120 watts pink noise (EIA weighted), 100 hour;
 240 watts musical program, 100 hour
 Voice Coil: Aluminum ribbon, edgewound onto 67mm diameter form
 Magnet: Ferrite, 1.85kg, with 1.25 Tesla (12,500 Gauss) flux density
 Dimensions: Diameter, 390mm; height, 159mm
 Net Weight: 9.5kg
 Mounting: Baffle cutout diameter, 354mm
 Rear mount, 370mm diameter, 8 holes
 Front mount with mounting plates, 420mm diameter, 4 holes



JA3882 / 3882B L.F. Drivers

Type: 15" (38cm) cone
 Nominal Impedance: 8 Ω (JA3882) or 16 Ω (JA3882B) version available
 Sensitivity: 102dB SPL/1 meter/1 watt
 Free Air Resonance: 30Hz
 Frequency Range: 30Hz to approximately 4,000Hz
 Highest Recommended Crossover Frequency: 800Hz
 Power Handling: 150 watts pink noise (EIA weighted), 100 hour;
 300 watts musical program, 100 hour
 Voice Coil: Copper ribbon, edgewound onto 100mm diameter form
 Magnet: Ferrite, 2.85kg, with 1.42 Tesla (14,200 Gauss) flux density
 Dimensions: Diameter, 390mm; height, 148mm
 Net Weight: 11.6kg
 Mounting: Baffle cutout diameter, 354mm
 Rear mount, 370mm diameter, 8 holes
 Front mount with mounting plates, 420mm diameter, 4 holes



JA4280B Combination H.F. Horn & Driver

Type: Compression driver with radial horn
 Dispersion Pattern: 90° horizontal by 40° vertical
 Nominal Impedance: 16 Ω
 Sensitivity: 105dB SPL/1 meter/1 watt, combined horn and driver
 Frequency Range: 800Hz to approximately 16,000Hz
 Lowest Recommended Crossover Frequency: 1,500Hz
 Power Handling:

	Long Term—at least 100 Hour	Instantaneous	
	Pink Noise	Musical Program	Peak
@ 1,500Hz cutoff	20 watts	40 watts	100 watts
@ 800Hz cutoff (12dB/octave)	10 watts	20 watts	100 watts

Throat: 20mm diameter
 Diaphragm: Aluminum dome with radial tangential edge compliance; field replaceable.
 Voice Coil: Aluminum ribbon, edgewound onto 43mm diameter form
 Magnet: Ferrite, 0.85kg, with 1.8 Tesla (18,000 Gauss) flux density.
 Dimensions: Driver—140mm dia. x 105.3mm high
 Horn—170mm H x 440mm W x 370mm D
 Combined—412mm driver back plate to horn mouth
 Net Weight: Driver—3.7kg, Horn—3.1kg
 Mounting: 8 holes in flange at horn mouth for mounting to baffle board or bracket;
 Horn throat flange secured to driver with 4 machine screws and tapped driver holes.



JA6681B H.F. Compression Driver

Type: Compression driver
 Nominal Impedance: 16 Ω
 Sensitivity: 105dB SPL/1 meter/1 watt, with Yamaha H1230 horn
 115dB SPL, 1 milliwatt, 25mm terminated plane wave tube
 Frequency Range: 500Hz to approximately 12,000Hz
 Lowest Recommended Crossover Frequency: 800Hz
 Power Handling:

	Long Term—at least 100 Hour	Instantaneous	
	Pink Noise	Musical Program	Peak
@ 800Hz cutoff	40 watts	80 watts	200 watts
@ 500Hz cutoff (12dB/octave)	20 watts	40 watts	200 watts

Diaphragm: Aluminum dome with exclusive beryllium/copper suspension; field replaceable.
 Voice Coil: Aluminum ribbon, edgewound onto 67mm diameter form
 Magnet: Ferrite, 1.85 Tesla (18,500 Gauss) flux density
 Dimensions: 165mm diameter x 144.4mm high
 Net Weight: 6.75kg
 Throat & Mounting: 35mm diameter; use Yamaha AD3500 adaptor (1 driver) or AD3502 (2 driver) for use with Yamaha H1230 or JBL horns.
 4 holes in front plate, 90mm diameter circle, for Yamaha horn,
 3 x 3/8" -16 UNC for Altec Lansing horn.

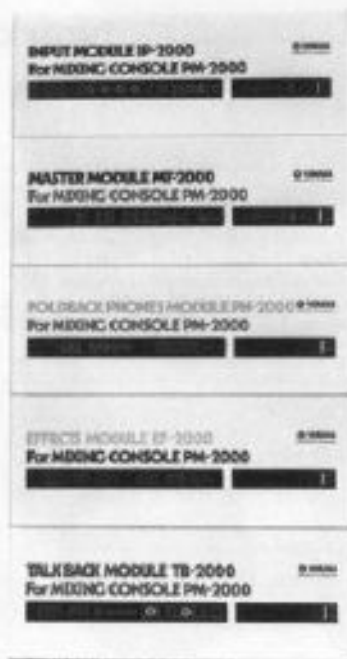
RECOMMENDED COMBINATIONS OF YAMAHA SOUND REINFORCEMENT

	MODEL	S0108T	S0110T	S0112T	A0112T	S0410H	A0410H	S2115H	S3115H	S4115H	A4115H	S5115HT
Specs	Sensitivity (dB/w,m)	92	97	98		100		97	98	101		100
	Power Rating (w)* Power Output (w)**	50	50	80	(75)	100	(100)	100	100	100	(100)	150
Specs	Frequency Range (Hz)	65 ~ 19K	70 ~ 19K	70 ~ 13K		65 ~ 14K		65 ~ 14K	65 ~ 14K	70 ~ 14K		60 ~ 20K
	Crossover Frequency	6K	6K	4.5K		3K		2K	2K	2K		800, 8K
Recommended Combinations	PM Series	—	—	—	○	—	○	—	—	—	○	—
	M Series	—	—	—	○	—	○	—	—	—	○	—
	MQ Series	—	—	—	○	—	○	—	—	—	○	—
	EM-85	○	○	○	—	—	—	—	—	—	—	—
	100II	○	○	○	—	—	—	—	—	—	—	○
	120	○	○	○	—	—	—	—	—	—	—	○
	95/150II	—	—	—	—	—	—	—	—	—	—	○
	200	—	—	—	—	—	—	—	—	—	—	○
	300	—	—	—	—	—	—	—	—	—	—	○
	P2200/2201	—	—	—	—	—	—	—	—	—	—	○
2100	—	—	—	—	—	—	—	—	—	—	○	
2050	○	○	○	—	○	—	○	○	○	—	○	
F1040/1030	—	—	—	—	—	—	—	—	—	—	○	
Recommended Usage	Stage Monitor	—	—	○	○	○	○	○	○	○	○	○
	Small Clubs	○	○	○	○	○	○	○	○	○	○	○
	Large Clubs	—	—	○	○	○	○	—	○	○	○	○
	Small Auditoriums	—	—	—	○	○	○	—	○	○	○	○
	Large Auditoriums	—	—	—	—	○	○	—	○	○	○	○
	Field Houses	—	—	—	—	○	○	—	○	○	○	○
	Outdoor Concerts	—	—	—	—	—	—	—	○	○	○	○
	Comments	• Compact	• Compact	• For Vocal PA		• Wide Horizontal Dispersion • For Vocal PA		• Proper Dispersion	• Horn Types • For All Inst.PA		• Horn Type • For All Inst.PA	

* Continuous Program ** RMS

Note: The speaker system may be damaged if input is applied continuously at higher than the rated value.

Miscellaneous



Modules for the PM-2000 Mixing Console

IP-2000: Input Module,
MT-2000: Master Module,
PH-2000: Foldback/Phone
Module,
EF-2000: Effects Module,
TB-2000: Talkback Module



Dynamic Microphone DM-5080

Uni-directional
Frequency Response: 100 ~ 12kHz
Sensitivity: -58dB ± 3dB (High), -76dB ± 3dB (Low)
Output Impedance:
Dual Impedance:
50kΩ ± 30% (High),
600Ω ± 30% (Low)
Includes swivel adapter.



Mixer Racks (Standard 19" Racks)

Great for fixed installations.

H: (WxHxD)
521x1269.5x395mm
(20-1/2x50x15-1/2)"



L: (WxHxD)
521x958.3x395mm
(20-1/2x37-46x15-1/2)"

Rack-mountable units: M406, PM-180, PM-170, E1010, F1040, F1030, Q1027, P2200, P2201, P2100 and P2050

DRUMS

New



System Drums



YD-9000RA Series

BD-926RAx2
FT-918RA
FT-916RA
TT-915RA
TT-914RA
TT-913RA
TT-912RA
TT-910RA
TT-908RA
SD-970RA
FP-910x2
TH-715x2
CH-712x2
CH-710x2
CSAT-912x2
CSAT-910x2
HSAT-910
WS-910x2
SS-910
CS-912x3
HS-910

Cymbals not included.

System Drums

New



YD-9000RA Series

BD-922RA, FT-918RA, FT-916RA, ET-914RA, ET-913RA, ET-912RA, ET-910RA, ET-908RA, ET-906RA, SD-970RA, FP-910, CH-712, CH-710x2, CSAT-912, CSAT-910, WS-910x3, SS-910, CS-912x2, HS-910

Cymbals not included.



YD-9000GA Series

YD-922WA, FT-914GA, TT-910GA, TT-908GA, SD-955GA, FP-710, CH-712, WS-910x2, SS-910, CS-712x3, HS-710

Cymbals not included.



YD-7000GA Series

YD-722WE, TT-714GA, ET-908GA, ET-906GA, SD-765GA, FP-710, CH-712x2, CSAT-914, ETS-910, WS-712, SS-710, CS-712, HS-710

Cymbals not included.



YD-5000GA Series

YD-5322WE,

Cymbals not included.

9000 SHELL SETS				7000 SHELL SETS			
YD-924WA	BD-924GA, FT-918GA, TT-913GA, TT-914GA, TH-91W	YD-724WE	BD-724GA, FT-718GA, TT-713GA, TT-714GA, TH-71W	YD-922WA	BD-922GA, FT-916GA, TT-912GA, TT-913GA, TH-91W	YD-722WE	BD-722GA, FT-716GA, TT-712GA, TT-713GA, TH-71W
9000 HARDWARE SETS				7000 HARDWARE SETS			
HW-900E	CS-910, CS-912, SS-910, HS-910, FP-910	HW-700E	CS-710, CS-712, SS-710, HS-710, FP-710				
5000 DRUM SETS							
YD-5324WE	BD-524GA, FT-518GA, TT-513GA, TT-514GA, SD-765MA, CS-510x2, HS-510, SS-510, FP-510, TH-51W	YD-5322WE	BD-522GA, FT-516GA, TT-512GA, TT-513GA, SD-550MA, CS-510x2, HS-510, SS-510, FP-510, TH-51W				

COLOR FINISHES

	YD-9000RA	YD-9000GA SD-900	YD-7000GA	YD-5000GA	CONCERT-TOMS RA-GA		YD-9000RA	YD-9000GA SD-900	YD-7000GA	YD-5000GA	CONCERT-TOMS RA-GA
HOT RED	o				R	DARK WOOD			o		
JADE GREEN	o				R	GARNET RED		o	o	o	o
MELLOW YELLOW	o				R	DEEP GREEN		o	o	o	o
SOLID BLACK	o				R	JET BLACK		o	o	o	o
STAGE WHITE	o				R	WINTER WHITE		o	o	o	o
SUNSET BROWN	o				R	SONIC BLUE		o	o	o	o
REAL WOOD		o			R	SUNRISE YELLOW		o	o	o	o

Shells

New

Bass Drums



BD-922RA



BD-922GA



BD-722GA



BD-522GA

Floor Toms



FT-916RA



FT-916GA



FT-716GA



FT-516GA

Tom Toms



TT-913RA



TT-913GA



TT-713GA



TT-513GA

Concert Toms



ET-9000RA



ET-9000GA

ET-9000RA

	SIZE	#9000R	#9000	#7000	#5000		SIZE	#9000R	#9000	#7000	#5000
BASS DRUMS	14x26"	BD-926RA	BD-926GA	BD-726GA		CONCERT TOMS	14x16"	ET-916RA	ET-916GA		
	14x24"	BD-924RA	BD-924GA	BD-724GA	BD-524GA		12x15"	ET-915RA	ET-915GA		
	14x22"	BD-922RA	BD-922GA	BD-722GA	BD-522GA		10x14"	ET-914RA	ET-914GA		
	14x20"	BD-920RA	BD-920GA	BD-720GA			9x13"	ET-913RA	ET-913GA		
	14x18"	BD-918RA	BD-918GA	BD-718GA			8x12"	ET-912RA	ET-912GA		
FLOOR TOMS	16x18"	FT-918RA	FT-918GA	FT-718GA	FT-518GA	6-1/2x10"	ET-910RA	ET-910GA			
	16x16"	FT-916RA	FT-916GA	FT-716GA	FT-516GA	5-1/2x8"	ET-908RA	ET-908GA			
	14x14"	FT-914RA	FT-914GA	FT-714GA	FT-514GA	5-1/2x6"	ET-906RA	ET-906GA			
TOM TOMS	12x15"	TT-915RA	TT-915GA	TT-715GA							
	10x14"	TT-914RA	TT-914GA	TT-714GA	TT-514GA						
	9x13"	TT-913RA	TT-913GA	TT-713GA	TT-513GA						
	8x12"	TT-912RA	TT-912GA	TT-712GA	TT-512GA						
	8x10"	TT-910RA	TT-910GA	TT-710GA							
	8x8"	TT-908RA	TT-908GA								

Snare Drums / Hardware

New

Snare Drums

Metal



SD-055MA



SD-955MA



SD-755MA



SD-550MA

Wood



SD-955RA



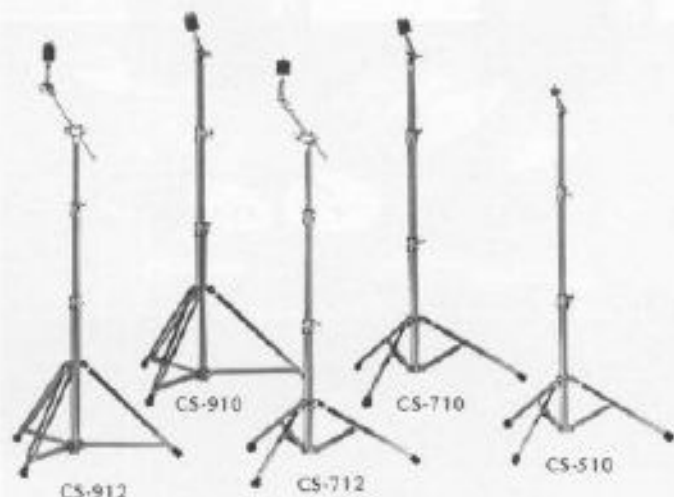
SD-970GA



SD-755GA

	SIZE	#9000R	#9000	#7000	#5000	#000
SNARE DRUMS (WOOD SHELL)	5x14"	SD-950RA	SD-950GA	SD-750GA		SD-050GA
	5-1/2x14"	SD-955RA	SD-955GA	SD-755GA		SD-055GA
	6-1/2x14"	—	—	SD-765GA		SD-065GA
	7x14"	SD-970RA	SD-970GA	—		—
(METAL SHELL)	5x14"		SD-950MA	SD-750MA	SD-550MA	SD-050MA
	5-1/2x14"		SD-955MA	SD-755MA		SD-055MA
	6-1/2x14"		SD-965MA	SD-765MA		SD-065MA

Cymbal Stands



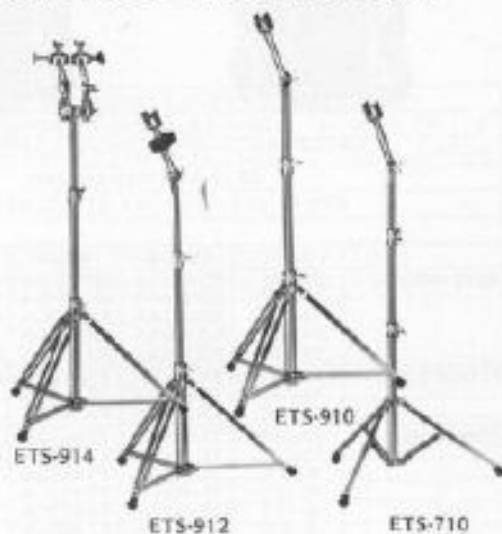
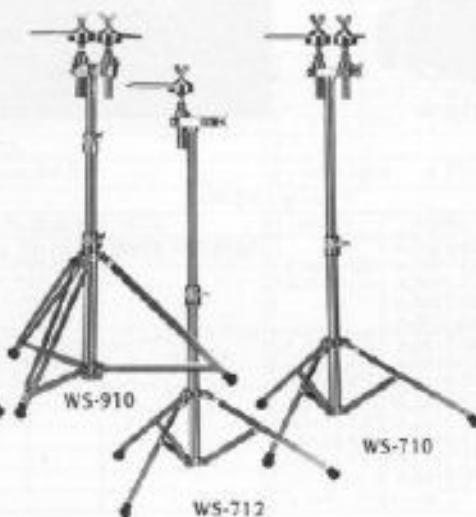
Hi-Hat Stands



Snare Stands

Double-Tom Stands

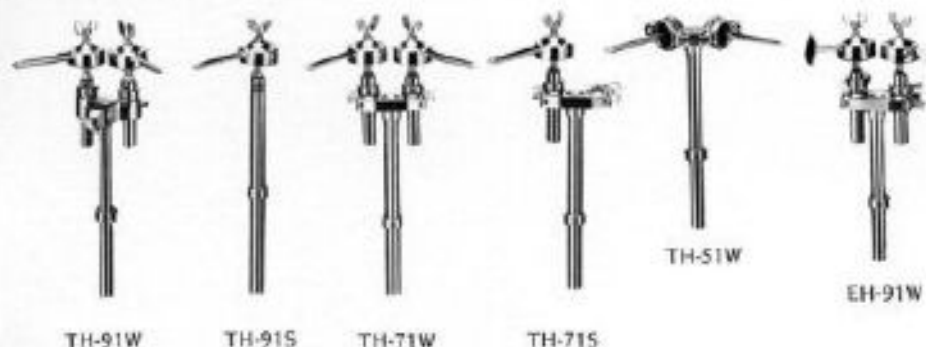
Concert-Tom Stands



Hardware

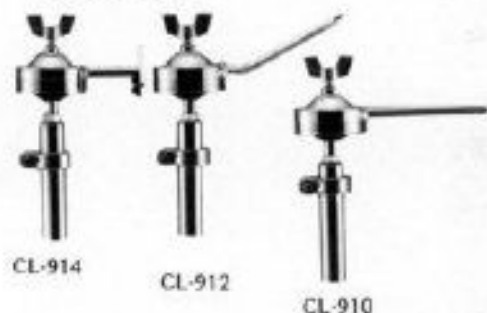
New

Tom Holders



TH-91W TH-91S TH-71W TH-71S TH-51W EH-91W

Clamps



CL-914 CL-912 CL-910

Foot Pedals



FP-910 FP-710 FP-510

Thrones



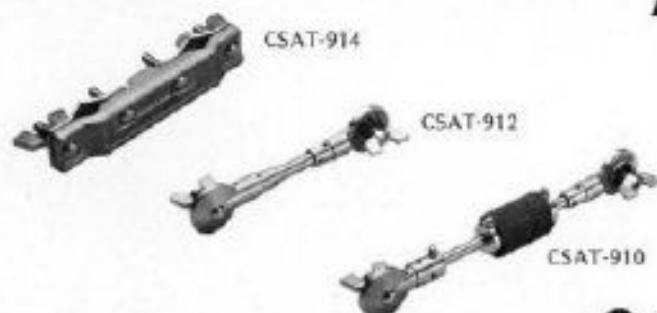
DS-910 DS-710 DS-510

Cymbal Holders



CH-712 CH-710

Cymbal Stand Attachment



CSAT-914 CSAT-912 CSAT-910

Hi-Hat Stand Attachment



HSAT-910

Stabilizer



SB-910

Optional Mutes



MU-912 MU-910

HARDWARE		HARDWARE	
Cymbal Stands	CS-912, CS-910, CS-712, CS-710, CS-510	Foot Pedals	FP-910, FP-710, FP-510
Hi-Hat Stands	HS-910, HS-710, HS-510	Thrones	DS-910, DS-710, DS-510
Snare Stands	SS-910, SS-710, SS-510	Cymbal Holders	CH-712, CH-710
Double-Tom Stands	WS-910, WS-712, WS-710	Cymbal Stand Attachment	CSAT-914, CSAT-912, CSAT-910
Concert-Toms	ETS-914, ETS-912, ETS-910, ETS-710	Hi-Hat Stand Attachment	HSAT-910
Toms Holders	TH-91W, TH-91S, TH-71S, TH-51W, EH-91W	Stabilizer	SB-910
Clamps	CL-914L/R, CL-912, CL-910	Optional Mutes	MU-912, MU-910

All specifications subject to change without notice.

Tom Holders
Clamps
Foot Pedals

Thrones
Cymbal Holders
Cymbal Stand Attachment

Hi-Hat Stand Attachment
Stabilizer
Optional Mute

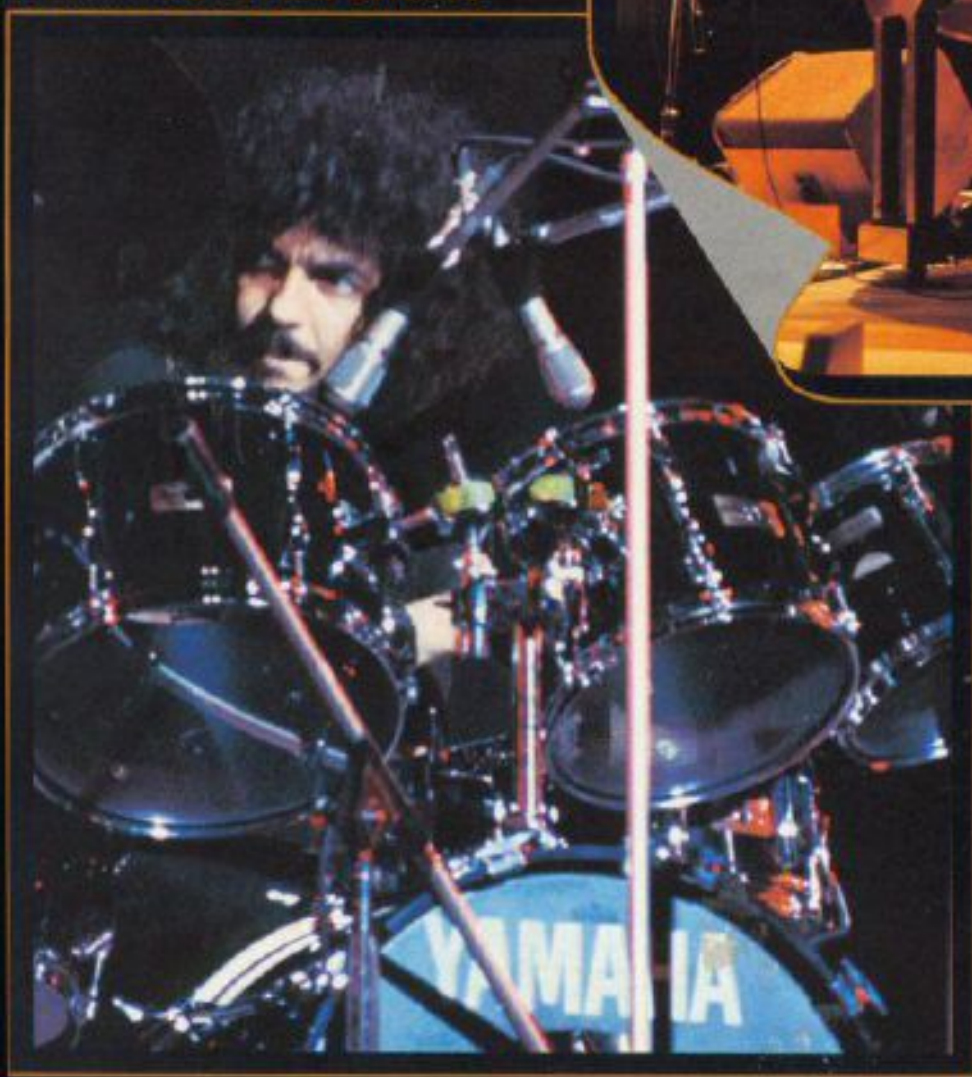
CHICK COREA with GS

CHICK COREA

IN
CONCERT
WITH GS

Presented by YAMAHA

STEVE GADD with
YAMAHA SYSTEM DRUMS



Yamaha makes it music

SINCE 1847



YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

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