

# YAMAHA

# W7/W5

MUSIC SYNTHESIZER





# Professional Music Workstation Breakthrough

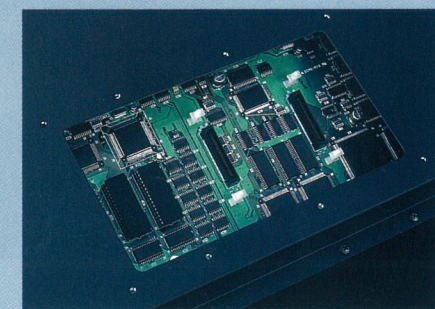
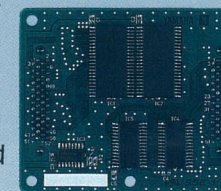
The Yamaha W7 and W5 are the newest members of the professional workstation lineup. All you need for your professional composing arranging and performing is delivered in one powerful, flexible and easy-to-use instrument. Make your musical dreams come true with the Yamaha W7 or W5. The W5, 76-key sister model, offers the same features and functions as the W7.

- Top quality AWM2 sound with 8 megabytes of wave memory
- GM, Preset and Internal voices in one instrument
- 16 song memory with 16 tracks and 100,000 note sequencer capacity
- Song Voices play back not changing the onboard user voice settings
- New Template function for fast and easy voice editing
- Advanced 3 insertion and 3 system effects
- Large LCD display with easy operation and precise continuous sliders and Jog/Shuttle dials
- Optional Expansion Wave/Voice Board for large tonal variety

## Optional Expansion Wave/Voice Board

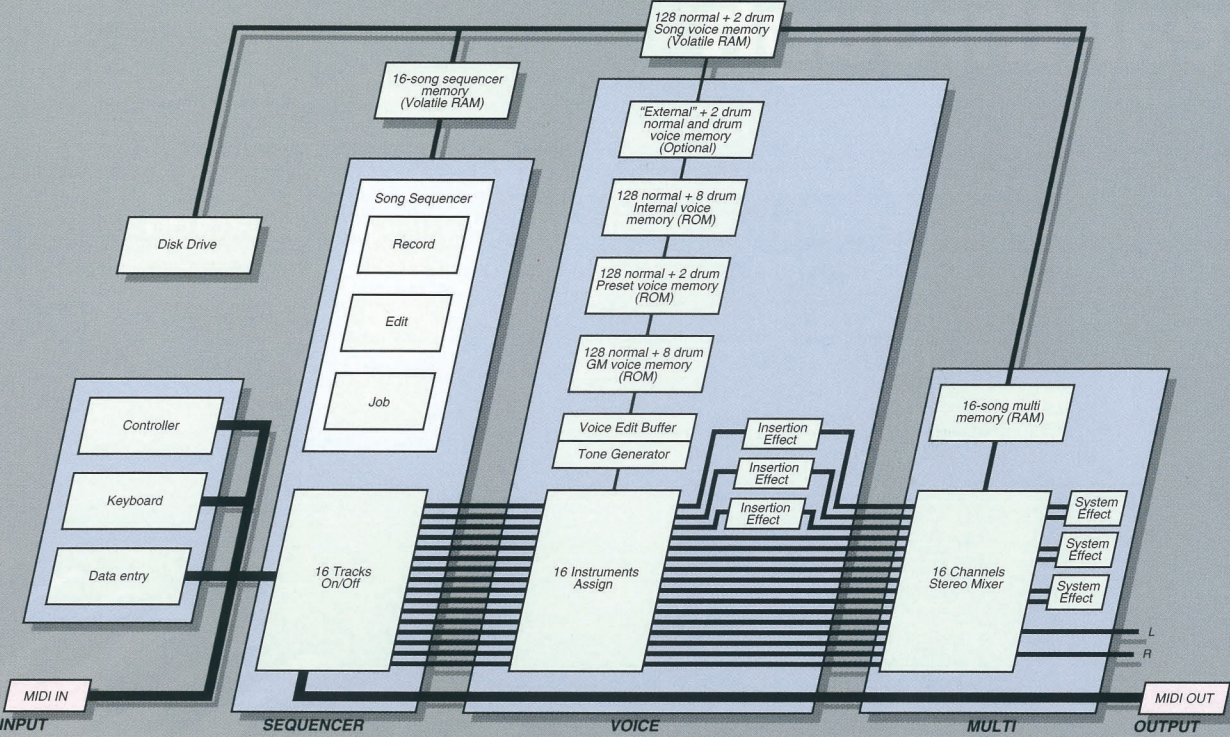
4 megabytes of wave and voices are available through an Expansion Wave/Voice Board (WEMB01-03).

The first available title will be "Concert Grand" featuring 4 megabytes of piano sounds followed by "Vintage Sounds" and "Rhythm Section".





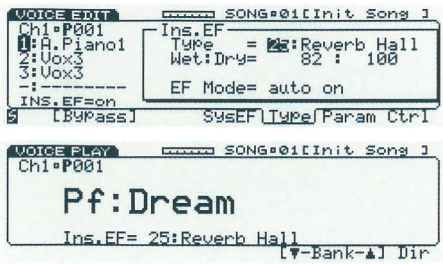
System Overview



Amazing Yamaha Sound

Yamaha's proven AWM2 tone generation, with 8 megabytes of wave memory, provides you with 384 realistic voices to select from. Each voice is generated by a maximum of four elements to ensure quality and depth for music production and performance. In addition, the W7/W5 is equipped with studio quality DSP stereo effect processors with editable parameters to give you professional sound no matter what voice you choose. Effects can be assigned to each voice or the total system in any way you like. Actually, the separate insertion and system effects allow precise control over the final sound of any voice you select. The outstanding and remarkable sound quality will sometimes remind you of vintage

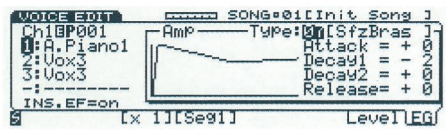
analog synthesizer sounds as well as the latest contemporary sounds. This high quality sound is a result of Yamaha's professional tone generation and sound processing technology.



Voice Templates Get the Sound you want Fast

The W7/W5 features a widely varied template type menu so you can edit various voice parameters

in an exceedingly quick and easy process. The onboard voice editing template type data base includes a selection of 39 amplitude types, 59 various filter settings, 40 pitch envelope settings and 33 different LFO settings. No longer do you need to start difficult and complicated voice editing from scratch. Picking from the various templates allows you to get excellent voices quickly so you can spend your time making finer adjustments accurately. All edited voices can of course be saved for future use and comparison.





The W7/W5 has a large 100,000 note memory for as much orchestration and complexity as you need. As many as 16 tracks can be used to create up to 16 separate songs all easily monitored on a large, easy-to-read display. The W7/W5 is equipped with maximum 32-note polyphony so that all voices you recorded can be heard just the way you arranged them. This large 16 voice multi-timbral synthesizer enables you to have 16 voices on call simultaneously for precise and practical live, studio and sequencer performance and with a whopping voice memory capacity, getting just the voice you want is easy. Each of the song's voices can be recorded and played back with the sequence data not affecting the on board RAM user voices when you load or save from a floppy disk.



The W7/W5 is General MIDI compatible for universal format and data exchange and includes the highest quality 128 GM voices available. In addition, Standard MIDI file formatting gives you flexibility with your musical data.

This data compatibility allows you to store and retrieve all your songs, voices and sequences easily and without voicing errors. The W7/W5 is the only music workstation you need to compose and perform with the professional results you expect and need.

The W7/W5 features a large LCD display so you can easily see the various operation settings and levels. Furthermore, the LCD is backlit so that external lighting on stage, in the studio or at home will not affect the display clarity. The 16 assignable LED buttons on the front panel light up when pressed so that editing any tracks, voices, elements and other parameters is fast and easy. The voice edit display in combination with 16 separate LED enables you to make many types of adjustments immediately. In addition, a double dial allows rapid editing operation. The sleek and simple interface of the W7/W5 means you can perform any operations easily and without mistake or delay on stage or in the studio.

|            |             |            |              |
|------------|-------------|------------|--------------|
| <b>Pf</b>  | <b>Horn</b> | <b>Pc</b>  | <b>BdStd</b> |
| A.Piano1-8 | HrnSfz      | SteelDrum  | SDStdH       |
| E.Grand1-3 | Tuba        | DigiMiri   | SDStdS       |
| EP1-18     | BrsSec      | WdBlock    | SDStd2       |
| Clav1-6    | SynBrs1-12  | TaikoDrum  | SDRmH1-2     |
| Harpst1-3  |             | MelodTom   | SDRock       |
| Stuff1-12  | <b>Rd</b>   | SynDrum    | SDPower      |
|            | SprnoSx     | RevCymb1   | SDPwRim      |
| <b>Cp</b>  | AltoSx      | Gong       | SDRoll       |
| Ciste1-4   | AltGrwl     | SynBell    | SDOpnRim     |
| Dulcimer   | TenorSx1-2  | Clonky     | SDAna8       |
| Vibe1-4    | BariSx      | Shimmer    | SDAnaR       |
| Glocken    | Basson1-2   | TnkILBell  | SDAna9       |
| Hndbel1-2  | BsnStuff    | DigiWobb   | SDSide       |
| TublBl     | EngHrn      | AtkNoiz    | TMStdR       |
| StlDrum    | Clari1-2    | Agogo      | TMStdF       |
| Marimba    | Oboe        |            | TMRmF        |
| Xylophne   | <b>Pi</b>   | <b>Se</b>  | TMJazz       |
| Digi1-5    | Shaku8      | A.BsNoiz   | TMAna        |
| Stuff1-3   | Ocarina     | Applaus1-2 | TMEle        |
|            | Whistle     | TrkBrake   | HHOpen       |
| <b>Or</b>  |             | Bush       | HHPedal      |
| Organ1-12  | <b>Pi</b>   | RcdClick   | HHClose      |
| Harmoni1-2 | Flute1-2    | RcdNoiz    | HHAnOpn      |
| Accordion  | Piccolo     | Scratch    | HHAnClis     |
| Reed1-3    | Recorder    | Swamp      | CyRide       |
| Stuff1-4   | PanFlt1-4   | Stream     | CyBell       |
|            | Bottle      | Simmer     | CyCrush      |
| <b>Gt</b>  | Noise       | Seq1-2     | CyChina      |
| Nylon1-3   |             | DrinkFiz   | CyOrch       |
| Steel1-3   | <b>Ld</b>   | FingrFr    | BrsHit       |
| Clean1-6   | Saw1-6      | FingrHi    | BrsSwL       |
| Jazz1-4    | Squ         | FretNoiz   | BrsSwH       |
| 12St1-4    | SawSqu      | Fu—        | BrsSlp       |
| Mute1-3    | SquSaw      | GunShot    | BrsTom       |
| Dist1-2    | Sweep       | Helicptr   | Grancs       |
| Ovdrv1-2   | Digi1-7     | Guffaw1-3  | Count        |
| Harm1-2    | PanLd1-2    | Faw        | Wadai        |
| Stuff1-6   | BrsLd1-2    | Insect     | Agogo        |
|            | VoxLd       | KeyNoise   | Bongo        |
| <b>Ba</b>  | RezLd       | LFO Xylo   | BellTree     |
| A.Bass1-2  | GtrLd       | Evil       | Cabasa       |
| FingerBs   |             | CymSir     | CongaMt      |
| PickBs1-2  | <b>Pd</b>   | Games      | CongaOp      |
| AlenBs1-4  | Pad1-41     | PnoFrmt    | CipAnlg      |
| BeatBs     | <b>Fx</b>   | Quasar     | Castanet     |
| Frets1-2   | SlwSweep    | MadTinke   | CuiKH        |
| TumpBs1-5  | Hairpin     | MtIBel1-2  | CuiKL        |
| SlapBs1-2  | RevSyn      | MetrClk    | Clave        |
| SynBs1-17  | SlowGtr     | Burst      | Cowbell      |
| Stuff1-2   | Dissolve    | LngHpPno   | Guio         |
| <b>St</b>  | LoopXylo    | PickAtk    | Hi Q         |
| Strings1-9 | DlyChoir    | Seashore   | Mrcas        |
| TrmStr     | DigiEcho    | Shilling   | SleiBell     |
| SynSt1-5   | Water       | Simpl'n'   | Scrach       |
| Violin1-2  | AtkChR1-2   | SlapAtk    | Shaker       |
| Cello      | TimpMute    | Telephone  | FngSnap      |
| Contra     | Octavate    | TuneRes1-2 | SmbWls       |
| Harp       | DigiFly     | Tweet1-2   | Tambrn       |
| Pizz       | BellStuf    | UpritAtk   | Timble       |
| Timpani    | Thundr      | Xyloop     | Triangle     |
| Stuff1-5   | WindLoop    |            | Tumb1p       |
|            | Banda       | <b>Sc</b>  | VbSlp        |
| <b>En</b>  | EP-S&H      | EpComp     | WoodBlk      |
| Choir1-12  | AtmsGtr     | AtkComp    | Whip         |
| Vox1-8     |             | SaxComp    |              |
| OrchHit    | <b>Et</b>   | <b>Dr</b>  | —            |
|            | Kalimba     |            | InitElm      |
| <b>Br</b>  | BagPipe     | BDStdH     |              |
| Trumpet    | Fiddle      | BDStdS     |              |
| TpGrowl    | Shanai      | BDRmH      |              |
| TpSfz      | Sitar       | BDRmS      |              |
| MuteTp     | Banjo       | BDPower    |              |
| TbmBone    | Shamisen    | BDGate     |              |
| TrbSfz     | Koto        | BDAnalog   |              |

| GM Voices |          |          |           | Preset Voices |            |            |            | Internal Voices |            |            |             |
|-----------|----------|----------|-----------|---------------|------------|------------|------------|-----------------|------------|------------|-------------|
| VoiceName | Aco.Bass | Alto Sax | Crystal   | VoiceName     | Blue Yuya  | Movie      | Jig Saw    | VoiceName       | Fuzzphazer | DroogStrng | Dreamin'    |
| GrandPno  | FngrBass | TenorSax | Atmosphr  | Dream         | 6 String   | SoftSynth  | Open Saw   | HAL2000         | Tread      | Recovery   | Big Band    |
| BritePno  | PickBass | Bari.Sax | Bright    | PnoStrings    | Drk Nylon  | LightPad   | Pad trick  | DynoMighty      | Hudi Blu   | SpaceTrip  | Rock Pig    |
| E.Grand   | Fretless | Oboe     | Goblins   | ClassicPno    | Dozens     | Dark Pad   | DreamRise  | Kyoto Bell      | Arco Pizz  | Splash     | Softly      |
| HnkyTonk  | SlapBas1 | Eng.Horn | Echoes    | StereoPno     | CleanStrat | Itopia     | Chicago    | Steve           | Sfz Synth  | Andean     | To Heaven   |
| E.Piano1  | SlapBas2 | Bassoon  | Sci-Fi    | Chorus Pno    | Rhthm Twin | SpaceKoir  | Horizon    | SweetBasil      | Oboe       | Fuzz E.P.  | Tripper     |
| E.Piano2  | Sitar    | Clarinet | Sitar     | Dance Pno1    | Dirty Twin | Quire      | Nu Arianne | AirClassic      | Stop n' Go | Tiny Bell  | StereoFizz  |
| Harpsi    | SynBass1 | Piccolo  | Banjo     | Dance Pno2    | Switch Gtr | Choir Pad  | Mariana    | Holy            | Wave Pad   | Pace Bass  | ElectroHarp |
| Clavi.    | SynBass2 | Flute    | Shamisen  | CP80 16'      | Mute Drive | Ten CC     | Wobbly     | PunchBrass      | Sub Hull   | Cello AT   | Discovery   |
| Celesta   | Viola    | Recorder | Koto      | CP80 8'       | Stack      | ClassicTpt | Sunrise    | Clarinert       | Nosferatu  | Sfz High   | Africa      |
| Glocken   | Cello    | PanFlute | Kalimba   | FullRose      | Gruge      | Miles 500  | SilverLine | Annarez         | MotorOrgan | Bassoon    | Storm       |
| MusicBox  | Contrabs | Bottle   | BagPipe   | HardRose      | Pinch      | Dark Bone  | Percussive | MetalBreth      | Candy      | LectroLead | Bell Aah    |
| Vibes     | Trem.Str | Shakhchi | Fiddle    | ThinRose      | Feedback   | Mellow Brs | Cymbalon   | Elec Sitar      | Midr Grand | Ultra Pad  | Creation    |
| Marimba   | Pizz.Str | Whistle  | Shanai    | DX Dark       | Fingered   | Matrix 7   | Stuffoni   | Whalesong       | Clanger    | Dante      | Digestion   |
| Xylophone | Harp     | Ocarina  | TnkBell   | Tine Pad      | Miller     | Brassic    | Wyre Piano | Alaska          | 12 String  | Monster    | VectorPad   |
| TubulBel  | Timpani  | SquareLd | Agogo     | Glass EP      | Fretless   | Jump       | Iced Man   | Arpeggiator     | Mad House  | Air Vibe   | Coral       |
| Dulcimer  | Strings1 | Saw.Lead | SteelDrum | WurlitTune    | Beetle     | Soft Tenor | GS1 Vibe   | Extasee         | Violin AT  | Digi Thump | Solaris     |
| DrawOrgn  | Strings2 | CallopLd | WoodBlok  | EP 60's       | D'Ampped   | Hey Jethro | Merapi     | ReversePno      | Tutti Orch | Contra AT  | Lightsabre  |
| PercOrgn  | Syn.Str1 | Chiff Ld | TaikoDrum | Wurlit Dist   | Slap       | Windy      | Crisp      | Zingk           | Radio Band | Sfz Low    | Anti Pad    |
| RockOrgn  | Syn.Str2 | CharanLd | MelodTom  | Klavinert     | Thumper    | Buzz Saw   | Needle     | Shadows         | Soprano    | Saxuality  | Light       |
| ChrchOrg  | ChoirAah | Voice Ld | Syn.Drum  | Thin Clavi    | Flog       | Soft Saw   | Foxy Clav  | Drum Bass       | Brash      | Rude Lead  | VulcanHarp  |
| ReedOrgn  | VoiceOoh | Fifth Ld | RevCymbal | Harpshchrd    | Dank       | Maize      | Air Glass  | Crimson         | Vector 99  | Etholution | Shimmy      |
| Acordion  | SynVoice | Bass &Ld | FretNoiz  | Handbell      | Orbit      | Flat       | Chimera    | PerkyChoir      | Covenant   | Icy        | Far Winds   |
| Harmnica  | Orch.Hit | NewAgePd | BrthNoiz  | Roto Vibe     | Owch       | DigReed    | Miraj 5th  | Resonant        | Frightmare | Sho        | Dew Drops   |
| TangoAcd  | Trumpet  | Warm Pad | Seashore  | Glass Harp    | Pulse Mann | Anawave    | Chuff Gtr  | Tenor Sax       | Mod Comp   | Elastica   | VS Pads     |
| NylonGtr  | Trombone | PolySyPd | Tweet     | Pipe Organ    | Reso Fat   | Big Bob    | SquareComp | Ms. Goh         | JazzitUp   | Mogul      | Ghosts      |
| SteelGtr  | Tuba     | ChoirPad | Telephone | Lesly         | HardPhase  | AirSynPad  | Digi Harp  | Crucible        | Wah Clav   | Orchestra  | Ooh One     |
| Jazz Gtr  | Mute.Trp | BowedPad | Helicptr  | Sine Organ    | Hip        | Vangelism  | StickKeys  | Darkworld       | Magik Bell | Brass Fall | Igloo       |
| CleanGtr  | Fr.Horn  | MetalPad | Applause  | Puff Organ    | Sinus      | Phazed     | Nu Choir   | Swamp           | The Thump  | Trio 3     | 12 Bit Hit  |
| Mute.Gtr  | BrasSect | Halo Pad | Gunshot   | Gospel        | Fat Bass   | Metal Wave | MacKinley  | Harpsync        | Viola AT   | HarmoFlang | Pulsar      |
| Ovrdrive  | SynBras1 | SweepPad |           | Grit Organ    | BoogieBass | StrapPad   |            | Bohemian        | CS94       | XyloPad    |             |
| Dist.Gtr  | SynBras2 | Rain     |           | Hot Hammy     | ArcoStr    | Mini Pad   |            | Phase Clav      | CorAnglais | Musasi     |             |
| GtrHarmo  | SprnoSax | SoundTrk |           | Rez Drawer    | SloStrings | Paddy      |            | Trumplead       | Arpsykord  |            |             |

| PEG | Type       |                             |    |            |                        |    |            |                                        |
|-----|------------|-----------------------------|----|------------|------------------------|----|------------|----------------------------------------|
| 1   | Up Soft    | Attack Pitch Up Soft        | 20 | Pluck2     | Pluck 2                | 41 | LFO.5      | LFO Control + Scaling0.5               |
| 2   | Up Slow    | Attack Pitch Up Slow        | 21 | SynPad     | Synth Pad              | 42 | Scale1     | Filter Scaling 1                       |
| 3   | Up Fast    | Attack Pitch Up Fast        | 22 | SynComp    | Synth Comp             | 43 | Scale2     | Filter Scaling 2                       |
| 4   | DwnSoft    | Attack Pitch Down Soft      | 23 | SyLead     | Synth Lead             | 44 | Scale3     | Filter Scaling 3                       |
| 5   | DwnSlw     | Attack Pitch Down Slow      | 24 | Percsv     | Percussive             | 45 | LPFVal1    | LPF Variation 1                        |
| 6   | DwnFast    | Attack Pitch Down Fast      | 25 | Dbi hit    | Double Hit             | 46 | LPFVal2    | LPF Variation 2                        |
| 7   | SynBras    | Synth Brass                 | 26 | Mute       | Mute                   | 47 | BPFFVal1   | BPF Variation 1                        |
| 8   | Shaku      | Shakuhachi                  | 27 | Idea 1     | Idea 1                 | 48 | BPFFVal2   | BPF Variation 2                        |
| 9   | Bagpipe    | Bagpipes                    | 28 | Idea 2     | Idea 2                 | 49 | BEFVal1    | BEF Variation 1                        |
| 10  | VeloPtW    | Velocity Pitch control Wide | 29 | Idea 3     | Idea 3                 | 50 | BEFVal2    | BEF Variation 2                        |
| 11  | VeloPtS    | Velocity Pitch control Soft | 30 | Idea 4     | Idea 4                 | 51 | HPFFVal1   | HPF Variation 1                        |
| 12  | Harmo1     | Harmonica 1                 | 31 | Idea 5     | Idea 5                 | 52 | HPFFVal2   | HPF Variation 2                        |
| 13  | Harmo2     | Harmonica 2                 | 32 | Idea 6     | Idea 6                 | 53 | HPFFVal3   | HPF Variation 3                        |
| 14  | RR +2      | Pitch Up +2 in Release      | 33 | Idea 7     | Idea 7                 | 54 | LPFInit    | LPF Init data                          |
| 15  | RR +7      | Pitch Up +7 in Release      | 34 | Idea 8     | Idea 8                 | 55 | HPFInit    | HPF Init data                          |
| 16  | RR +12     | Pitch Up +12 in Release     | 35 | Scaling1   | AMP Scaling 1          | 56 | BPFFInit   | BPF Init data                          |
| 17  | RR -2      | Pitch Down -2 in Release    | 36 | Scaling2   | AMP Scaling 2          | 57 | BEFInit    | BEF Init data                          |
| 18  | RR -5      | Pitch Down -5 in Release    | 37 | Scaling3   | AMP Scaling 3          | 58 | LPF12Init  | LPF12 Init data                        |
| 19  | RR -12     | Pitch Down -12 in Release   | 38 | Scaling4   | AMP Scaling 4          | 59 | Thru       | Filter Thru                            |
| 20  | Idea 1     | Attack Pitch Up             | 39 | OnOff      | Switch Type EG         |    |            |                                        |
| 21  | Idea 2     | Attack Pitch Down           |    | <b>PEG</b> | <b>Type</b>            |    | <b>LFO</b> | <b>Type</b>                            |
| 22  | SlwDown    | Slow Down                   | 1  | VeloSoft   | Velocity Soft          | 1  | Vibrato    | Vibrato                                |
| 23  | UpDown     | Up Down                     | 2  | VeloWide   | Velocity Wide          | 2  | VibAmd     | Vibrato + AMP Modulation               |
| 24  | SynTom     | Synth Tom                   | 3  | VeloHard   | Velocity Hard          | 3  | Vib+Fmd    | Vibrato + Filter Modulation            |
| 25  | AnaSoft    | Analog Soft                 | 4  | PnoWide    | Piano Type Wide        | 4  | Vib Velo   | Vibrato speed MOD by Velocity          |
| 26  | AnaHard    | Analog Hard                 | 5  | PnoVelo    | Piano Type Velocity    | 5  | Tremolo    | Tremolo                                |
| 27  | AnaFast    | Analog Fast                 | 6  | Syn EP     | Synth EP               | 6  | wahwah     | WahWah                                 |
| 28  | Combi 1    | Combination 1               | 7  | Clav       | Clavi                  | 7  | Tri        | Triangle Modulation                    |
| 29  | Combi 2    | Combination 2               | 8  | ResoClv    | Resonant Clavi         | 8  | Tri Velo   | Triangle Vibrato Speed MOD by Velocity |
| 30  | Combi 3    | Combination 3               | 9  | AcoGtr     | Acoustic Guitar        |    |            |                                        |
| 31  | Combi 4    | Combination 4               | 10 | EleGtr     | Electric Guitar        | 9  | Squ 1      | Square PMOD 1                          |
| 32  | SE 1       | Sound Effect 1              | 11 | E.Bass     | Electric Bass          | 10 | Squ 2      | Square PMOD 2                          |
| 33  | SE 2       | Sound Effect 2              | 12 | E.Bs Vel   | Electric Bass Velocity | 11 | Squ 3      | Square PMOD 3                          |
| 34  | SE 3       | Sound Effect 3              | 13 | Wind       | Wood Wind              | 12 | Squ 4      | Square AMOD 3                          |
| 35  | Growl      | Growl Sound                 | 14 | Brass      | Brass                  | 13 | SawDn1     | Saw Down AMOD 1                        |
| 36  | FastWobb   | Fast wobble Sound           | 15 | Sfz1       | Sforzand 1             | 14 | SawDn2     | Saw Down AMOD 2                        |
| 37  | Shift+2    | Pitch Shift +2              | 16 | Sfz2       | Sforzand 2             | 15 | SawUp1     | Saw Up AMOD 1                          |
| 38  | Shift+6    | Pitch Shift +6              | 17 | SfzResnt   | Sforzand Resonant      | 16 | SawUp2     | Saw Up AMOD 2                          |
| 39  | Shift+12   | Pitch Shift +12             | 18 | BritStr    | Bright Strings         | 17 | S&H 1      | Sample and Hold PMOD 1                 |
| 40  | BrsFall    | Brass Fall                  | 19 | Hrpsi01    | Harpsicord 1           | 18 | S&H 2      | Sample and Hold PMOD 2                 |
|     |            |                             | 20 | Hrpsi02    | Harpsicord 2           | 19 | Siren 1    | Siren 1                                |
|     | <b>AEG</b> | <b>Type</b>                 | 21 | Mute Pik   | Mute Pick              | 20 | Siren 2    | Siren 2                                |
| 1   | A.Piano    | Acoustic Piano              | 22 | TunedRes   | Tuned Resonant 1       | 21 | Siren 3    | Siren 3                                |
| 2   | E.Grand    | Electric Grand              | 23 | TuneRes2   | Tuned Resonant 2       | 22 | Siren 4    | Siren 4                                |
| 3   | Guitar     | Guitar Type                 | 24 | TuneRes3   | Tuned Resonant 3       | 23 | Tele.      | Telephone                              |
| 4   | E.Bass     | Electric Bass               | 25 | ResVel     | Resonant Velocity      | 24 | LaserGn    | Laser Gun                              |
| 5   | Wind       | Wood Wind                   | 26 | TunPerc    | Tuned Percussion       | 25 | CTR tri    | Tri wave for MOD Wheel Modulation      |
| 6   | Brass      | Brass                       | 27 | L12Piano   | LPF 12db Type Piano    |    |            |                                        |
| 7   | SfzBras    | Sforzand Brass              | 28 | SynBas1    | Synth Bass 1           | 26 | CTR dwn    | Saw Down Wave for MOD Wheel Modulation |
| 8   | Sfzand 1   | Sforzand 1                  | 29 | SynBas2    | Synth Bass 2           | 27 | CTR up     | Saw Up Wave for MOD Wheel Modulation   |
| 9   | Sfz2       | Sforzand 2                  | 30 | SynBrs1    | Synth Brass 1          | 28 | CTR squ    | Square Wave for MOD Wheel Modulation   |
| 10  | SynBras    | Synth Brass                 | 31 | SynBrs2    | Synth Brass 2          | 29 | CTR sin    | Sine Wave for MOD Wheel Modulation     |
| 11  | StFast     | Strings Fast                | 32 | SynPad1    | Synth Pad 1            | 30 | CTR S&H    | S&H Wave for MOD Wheel Modulation      |
| 12  | StSlwPd    | Strings Slow Pad            | 33 | SynPad2    | Synth Pad 2            | 31 | BEFLesl    | For BEF Filter Leslie Effect           |
| 13  | StrVelo    | Strings Rate Velocity Sence | 34 | Sweep      | Sweep                  | 32 | 90Sine     | Phase +                                |

|    |              |    |              |
|----|--------------|----|--------------|
| 1  | 3 Band EQ    | 19 | Stroo Echo   |
| 2  | Chorus A     | 20 | Cross Dly    |
| 3  | Chorus B     | 21 | Early Ref.1  |
| 4  | Flanger A    | 22 | Early Ref.2  |
| 5  | Flanger B    | 23 | Gate Reverb  |
| 6  | Symphonic    | 24 | Reverse Gate |
| 7  | Phaser       | 25 | Reverb Hall  |
| 8  | Auto PAN     | 26 | Reverb Room  |
| 9  | Rotary Sp    | 27 | Reverb Stage |
| 10 | Pit Chng 1   | 28 | Reverb Plate |
| 11 | Pit Chng 2   | 29 | Dist→Chorus  |
| 12 | Aural Cng    | 30 | Dist→Flange  |
| 13 | Distortion   | 31 | Dist→Sympho  |
| 14 | Dist +Comp   | 32 | Dist→Phaser  |
| 15 | Dist +Wah    | 33 | Dist+PitChng |
| 16 | Dist +RotaSp | 34 | Dist→Delay   |
| 17 | Delay L,R    | 35 | Dist→Reverb  |
| 18 | Delay L,C,R  |    |              |

| Sys EF 01:<br>Reverb Module         | Sys EF 03:<br>Dly/Rev Module |
|-------------------------------------|------------------------------|
| 1 Rev Hall 1                        | 1 Delay L,R                  |
| 2 Rev Hall 2                        | 2 Delay L,C,R                |
| 3 Rev Room 1                        | 3 Echo                       |
| 4 Rev Room 2                        | 4 Cross Delay                |
| 5 Rev Stage 1                       | 5 Reverb Hall                |
| 6 Rev Stage 2                       | 6 Reverb Room                |
| 7 Rev Plate                         | 7 Reverb Stage               |
| 8 Rev EchoRoom                      | 8 Reverb Plate               |
| 9 Rev Tunnel                        | 9 Early Ref.1                |
| 10 Rev Canyon                       | 10 Early Ref.2               |
| 11 Rev Basement                     | 11 Gate Reverb               |
| 12 Delay L,R                        | 12 Reverse Gate              |
| 13 Delay L,C,R                      | 13 EQ → Delay                |
| 14 Echo                             | 14 EQ → Reverb               |
| 15 Cross Delay                      | 15 Dist→Delay                |
| <b>Sys EF 02:<br/>Chorus Module</b> | 16 Dist→Reverb               |
| 1 Chorus B                          |                              |
| 2 Flanger B                         |                              |
| 3 Symphonic                         |                              |
| 4 Phaser                            |                              |
| 5 Auto PAN                          |                              |
| 6 Rotary Sp.                        |                              |
| 7 Pit Chng 2                        |                              |
| 8 Aural Exc                         |                              |
| 9 Wah                               |                              |





## Specifications

|                               |                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Keyboard</b>               | 61 Keys (W7) / 76 Keys (W5)<br>Initial Touch, After Touch                                                              |
| <b>Tone Generator Systems</b> | AWM2                                                                                                                   |
| <b>Polyphony</b>              | 32 Notes max. (max. 4 Elements / Voice)                                                                                |
| <b>Multi Timbre</b>           | 16 Voices                                                                                                              |
| <b>Effectors</b>              | 3 Insertion and 3 System Effects                                                                                       |
| <b>Sequencer</b>              | 16 Songs, 16 Tracks                                                                                                    |
| Format                        | Song (Load / Save), SMF Format 0 (Load / Save)<br>SMF Format 1 (Load), ESEQ (Load)                                     |
| Polyphony                     | 32 Notes                                                                                                               |
| Recording                     | Real Time (over dub, replace, punch in) Step (Event Edit is available)                                                 |
| Resolution                    | 96 Clocks per Quarter Note                                                                                             |
| Capacity                      | Approx. 100,000 Notes                                                                                                  |
| <b>Preset Wave</b>            | 8 Mbytes                                                                                                               |
| <b>Preset Voice</b>           | GM=128 (Voices) + 8 Drum Kits<br>Preset=128 (Voices) + 2 Drum Kits                                                     |
| <b>Internal Voice</b>         | 128 (Voices) + 2 Drum Kits                                                                                             |
| <b>Song Voice</b>             | 128 Voices (Up To 128 Voices + 2 Drum Kits) × 16                                                                       |
| <b>External Memory</b>        | 3.5" Floppy Disk Drive<br>Optional Expansion Wave/Voice Board (4 Mbytes of Wave and Voices on ROM)                     |
| <b>Controllers</b>            | Pitch Bend Wheel × 1<br>Modulation Wheel × 1<br>Volume Slider × 1<br>Continuous Slider × 1<br>Jog Shuttle Encoder × 1  |
| <b>Display</b>                | LCD 64 × 240 Dot EL Back Light                                                                                         |
| <b>Connectors</b>             | Headphorn L/R<br>Stereo Output L (MONO) /R<br>Foot Controller<br>Foot Volume<br>Sustain Switch<br>MIDI IN / OUT / THRU |
| <b>Power Requirements</b>     | US Canadian Model : 120V 20W<br>General Model : 220 ~ 240V 20W                                                         |
| <b>Dimensions (W × D × H)</b> | W7: 1081 × 371 × 121 mm<br>(42-1/2" × 14-5/8" × 4-3/4")<br>W5: 1288 × 371 × 121 mm<br>(50-3/4" × 14-5/8" × 4-3/4")     |
| <b>Weight</b>                 | W7: 14.0 kg (30 lbs 13 oz)<br>W5: 18.0 kg (39 lbs 10 oz)                                                               |

All specifications subject to change without notice.

For details please contact:

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