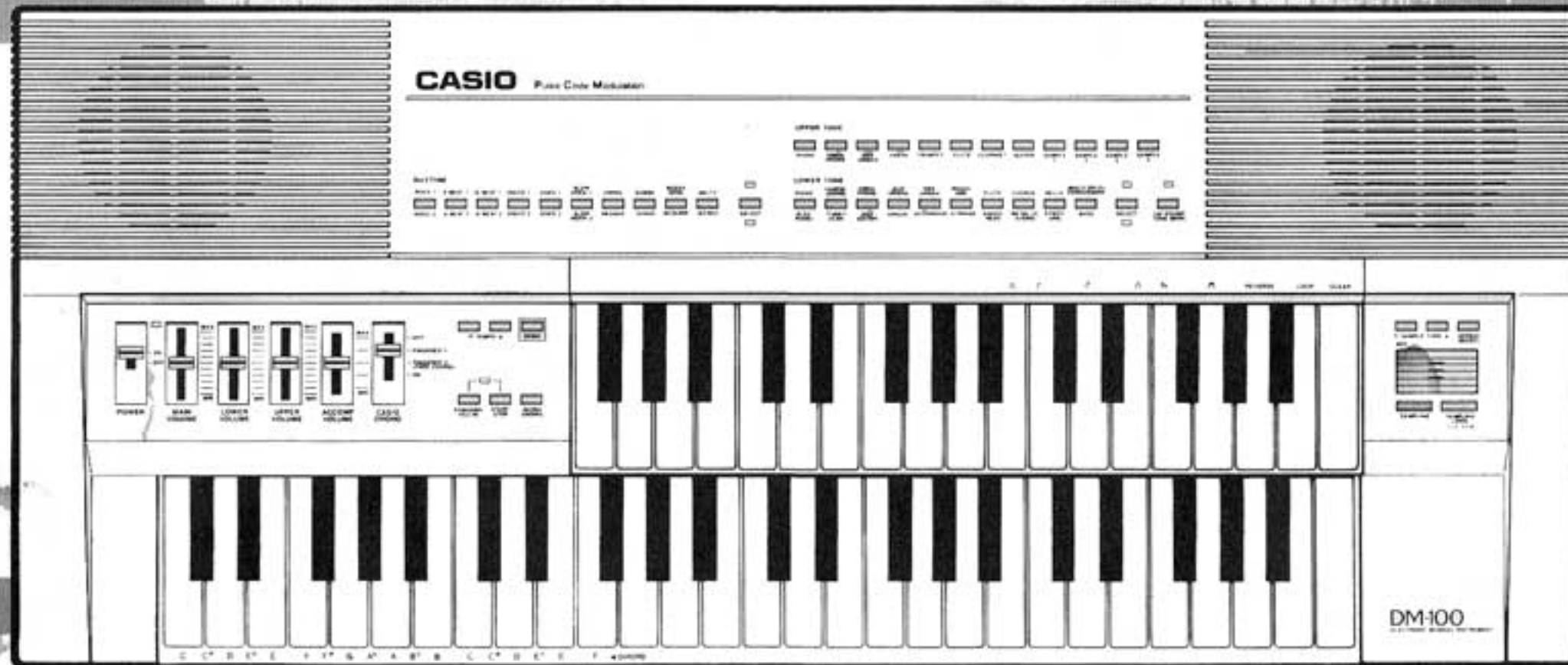


DM-100

Operation Manual 2

Tablebeast Modification 23



CASIO®

CASIO[®] DM-100

ELECTRONIC MUSICAL INSTRUMENT

Introduction

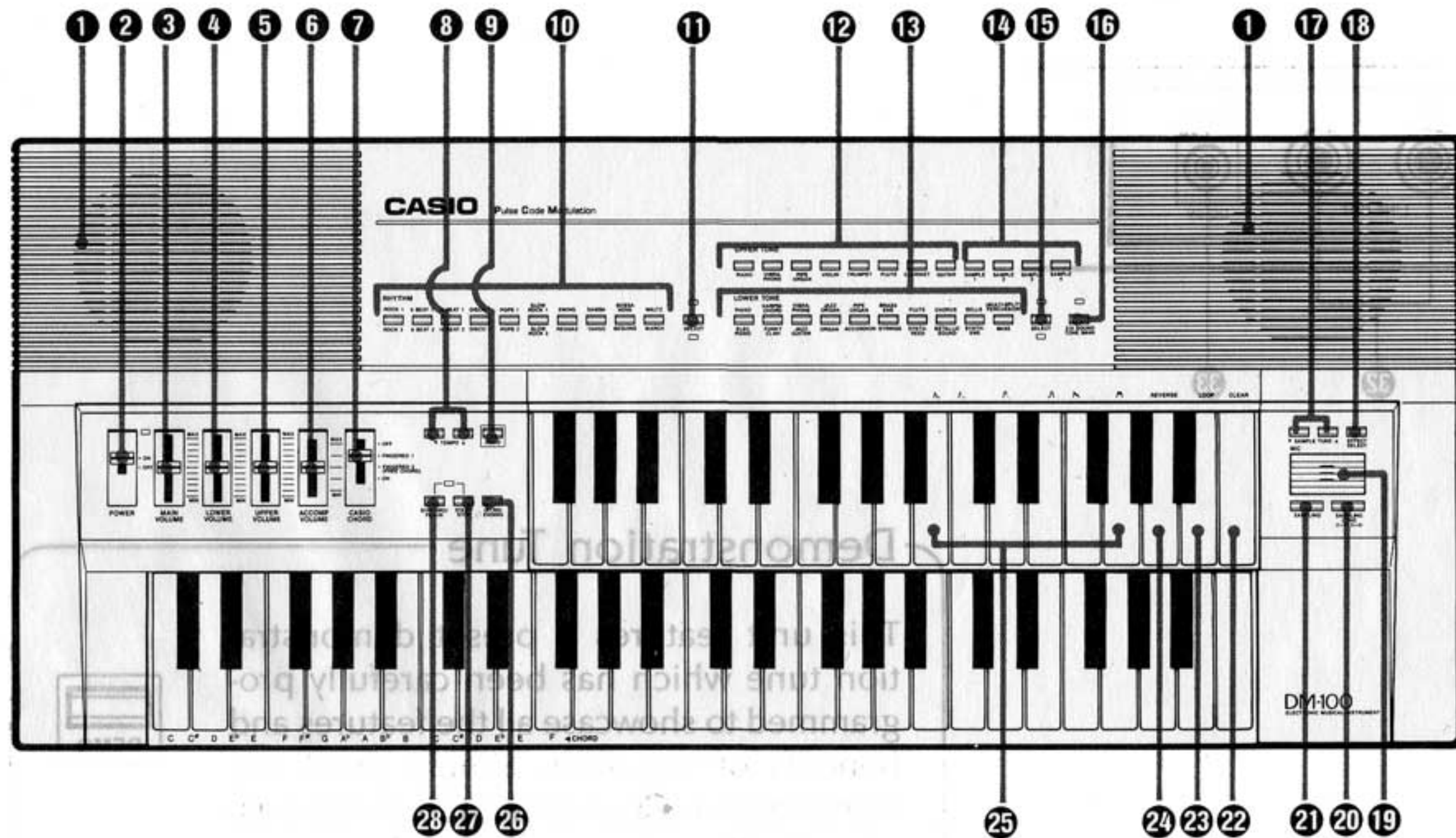
Your new DM-100 keyboard is a state-of-the-art musical instrument which incorporates the latest electronics technology to make its operation as easy as possible. Exceptional sound quality backed up by a host of sophisticated features and functions makes this keyboard a joy to play for everyone.

In order to enjoy the features and functions of this unit to their fullest, be sure to carefully read this manual and follow the instructions contained herein.

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1. General Guide



- ① Built-in speakers
- ② Power switch
- ③ Main volume slider
- ④ Lower volume slider
- ⑤ Upper volume slider

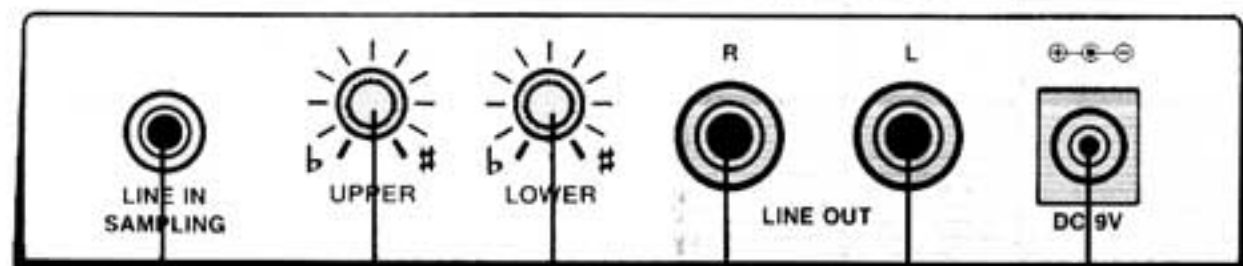
- ⑥ Accomp volume slider
- ⑦ Casio Chord selector
- ⑧ Tempo control buttons
- ⑨ Demo button
- ⑩ Rhythm selectors

- ⑪ Rhythm select button
- ⑫ Upper tone selectors
- ⑬ Lower tone selectors
- ⑭ Sample buttons
- ⑮ Tone select button

- ⑯ Tone Bank button
- ⑰ Sample tune buttons
- ⑱ Effect select button
- ⑲ Built-in microphone
- ⑳ Sampling long button
- ㉑ Sampling button
- ㉒ Clear key
- ㉓ Loop key
- ㉔ Reverse key
- ㉕ Envelope keys
- ㉖ Intro/ending button
- ㉗ Start/stop button
- ㉘ Synchro/fill-in button

1. General Guide

[Rear panel]



30

31

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29

- 29 Headphone jack
- 30 Line in/Sampling jack
- 31 Tuning controls

Adjust the pitch of the entire keyboard within ± 30 cents and provide easy tuning with other instruments.

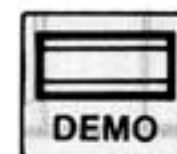
- 32 Output jack (L/R)

* As many preset tones are in stereo, be sure to use both output jacks when connecting to an external amplifier.

- 33 AC adaptor jack

Demonstration Tune

This unit features a preset demonstration tune which has been carefully programmed to showcase all the features and benefits of this unit. Simply press the Demo button 9, and listen to the DM-100 plays itself!



- * The demonstration tune is played in an endless loop. Press the Demo button again to stop the tune.
- * The lower keyboard is inoperable while playing the demonstration tune.

2. Power Supply

DC Power

• Dry batteries

This unit can be powered by six D size (SUM-1/R20P) manganese dry cell batteries. Weakened batteries will result in lower volume or poor tonal quality. The power indicator lamp will gradually lose its brightness when battery power weakens. At this time, change batteries or shift to one of the alternate power sources mentioned below.

Battery replacement:

- ① Open the battery compartment cover on the bottom of the unit and take out used batteries.
- ② Load new batteries taking care that polarity is correct.

** It is advisable to replace all six batteries at the same time for longer battery life.*

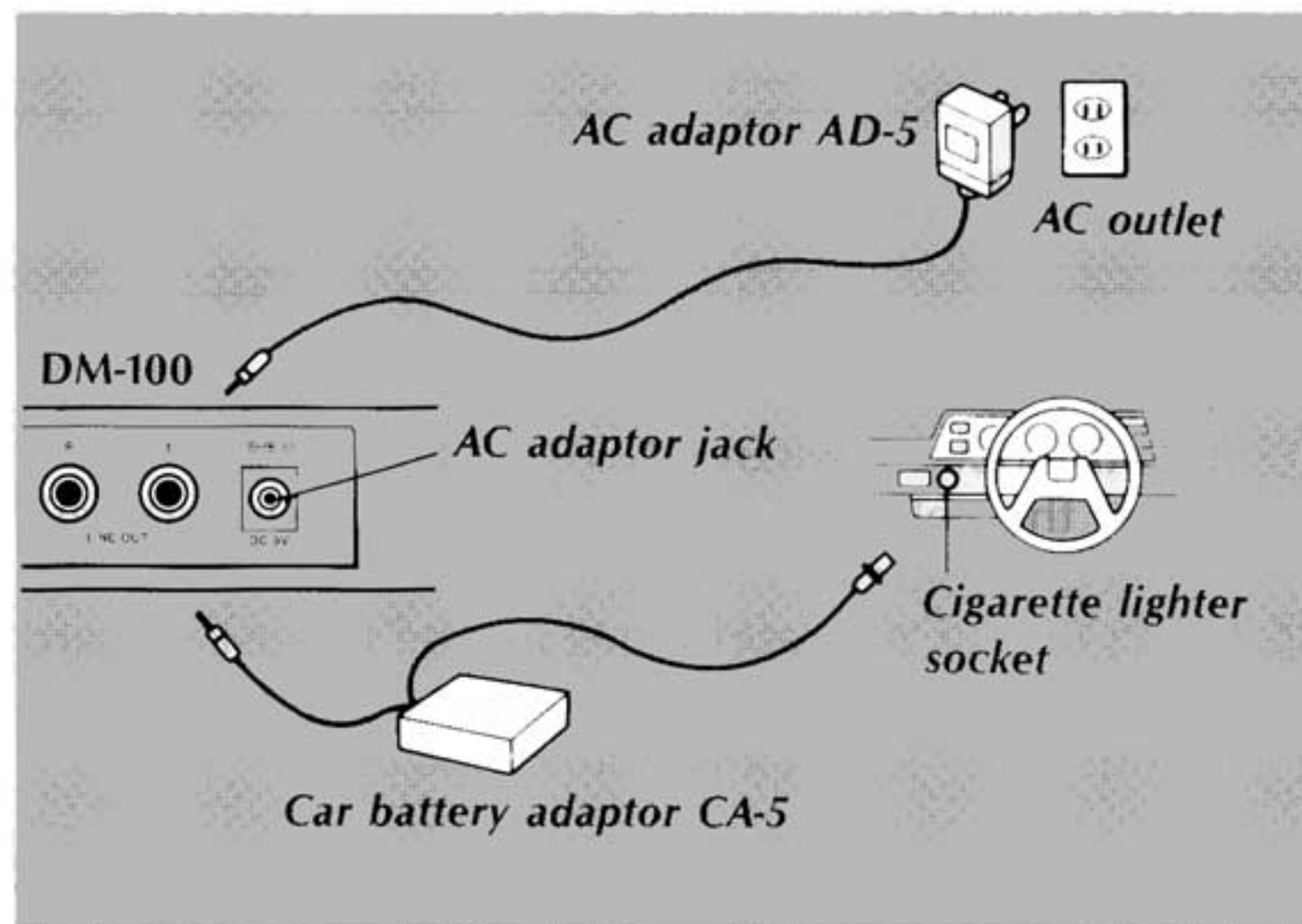
** Standard battery life is approximately 7 hours.*

• Car battery

With the car battery adaptor (CA-5, optional), DC power is supplied from a car battery through the cigarette lighter socket.

AC Power

An AC adaptor (AD-5, optional) is required when using household current. Use only a genuine CASIO adaptor with the same voltage rating (100, 117, 220, or 240) as the power supply in your area to prevent component damage. Plug the AC adaptor into the AC outlet and the cord into the unit. This will automatically cut off the battery power supply.



2. Power Supply

★ Auto power off function

Power is automatically cut off approximately 6 minutes after the last operation of the unit. Power supply can be restored by switching power OFF and then ON again.

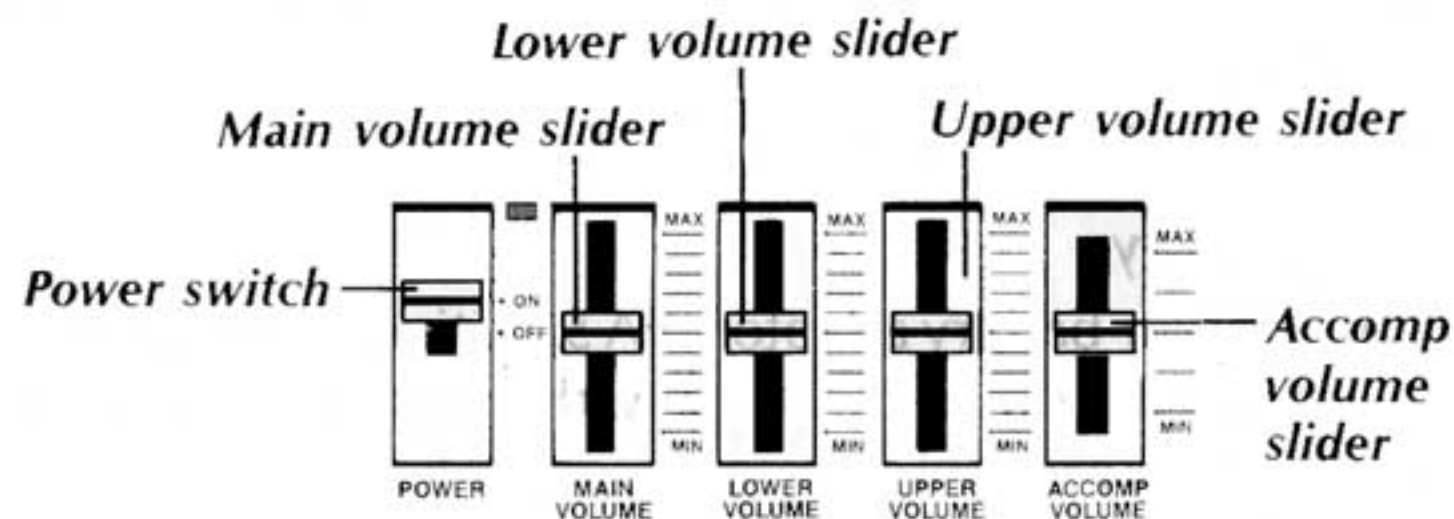
CAUTION

- * Use only genuine CASIO adaptors to avoid risk of damage.

- * Remove batteries from the battery compartment when the unit is not used for extended periods. (Battery leakage can damage electrical parts.)
- * The adaptor may become warm when left connected to an outlet. This is normal, but the adaptor should be disconnected when not in use.
- * THE FOLLOWING CONDITION CAN CAUSE BATTERIES TO BURST:
 1. Use of adaptors other than genuine CASIO adaptors.
 2. Loading batteries with polarities reversed.

3. General Operation

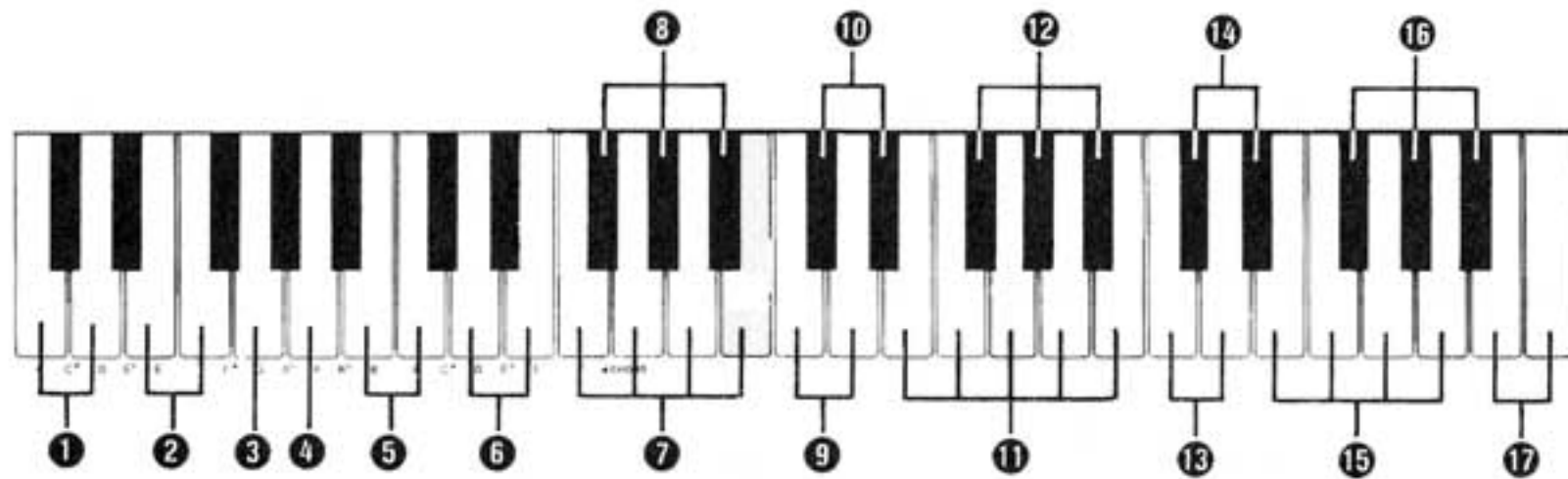
- ① Turn the power switch ON.
- ② Adjust the volume levels (Main, Lower, Upper) with respective volume controls.
- ③ Select one of 20 preset tones for the lower keyboard (see "Preset Tones", page 7) or one of the 210 Tone Bank sounds (see "Tone Bank Sound", page 9).



4. Preset Tones

• Percussion sounds on the lower keyboard

When PERCUSSION sound is selected for the lower keyboard by pressing the "PERCUSSION" button, the lower keyboard keys can be used to play a total of 49 different built-in percussion sounds. These sounds are assigned to respective keys as shown below;



- | | |
|----------------------------|--|
| ① bass drum 1/2 | ⑪ tom 1/2/3/4/mixed |
| ② snare drum 1/2 | ⑫ synth. tom 1/2/3 |
| ③ gated snare drum | ⑬ cow bell 1/2 |
| ④ rim shot | ⑭ triangle open/mute |
| ⑤ closed hihat 1/2 | ⑮ timbales; high mute/
high/low/mixed |
| ⑥ open hihat 1/2 | ⑯ computer game sound
1/2/3 |
| ⑦ crash cymbal 1/2/3/mixed | ⑰ agogo high/low |
| ⑧ synth. cymbal 1/2/3 | |
| ⑨ ride cymbal 1/2 | |
| ⑩ gong 1/2 | |

• To select a preset tone for the upper keyboard

Press one of the upper tone selectors.

- * "PIANO" tone is automatically selected when power is turned ON.
- * Sample buttons 1~4 can be used to select sounds which you have assigned to them through sampling. When sampling is not carried out, the sample memory banks contain the following sounds;


Sample 1: Piano

Sample 2: Vibraphone

Sample 3: Guitar

Sample 4: Pipe Organ

5. Tone Bank Sounds

 The lower keyboard features Casio's innovative "Tone Bank" feature, which lets you choose from an amazing total of 210 different sound combinations. To create these layered sounds, the Tone Bank function actually integrates the characteristics of the 20 preset sounds which are produced by the new PCM sound source to create entirely new and distinct sounds which can be selected through the following procedure.

- **To select Tone Bank sounds on the lower keyboard**

① Select any of the 20 preset tone. When selecting Tone Bank sounds, the tone initially selected is used as a base, or "Primary" sound.

** When the Primary sound is selected, the keyboard features 10-note polyphony.*

② Press the Tone Bank button.

This activates the Tone Bank function, allowing you to choose a Secondary sound to integrate with the Primary sound you just selected.

** After the Tone Bank button is pressed, the keyboard changes to 5-note polyphony.*

③ Select any other of the 20 preset tones. The characteristics of this "Secondary" sound is automatically integrated with those of the "Primary" sound already selected.

- **To select a different secondary sound**

The secondary sound can be changed at any time, as long as the Tone Bank function is selected. Simply select a different preset tone—the primary sound remains the same.

- **To select a different primary sound**

The primary sound can be changed by first turning the Tone Bank function OFF (press Tone Bank button so that indicator goes out), selecting any other preset tone, and finally turning the Tone Bank function back ON. The secondary tone remains the same in this case.

5. Tone Bank Sounds

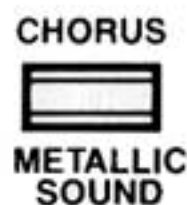
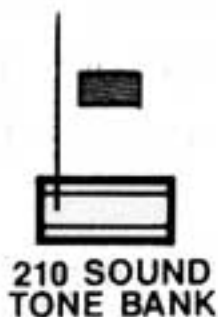
< Example of Tone Bank Operation >

- ① Select the preset ORGAN tone by pressing the corresponding tone selector. (This is the "Primary" sound.) Initially, the ORGAN tone can be played with 10-note polyphony.
- ② Press the Tone Bank button. The ORGAN tone can now be played with 5-note polyphony.

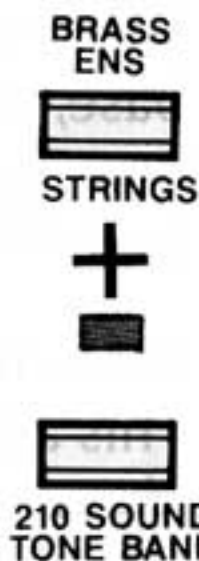
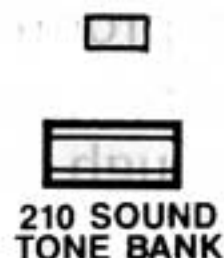
* Indicator lights



Tone bank button



- ④ Next, try changing the Secondary sound by selecting the preset FLUTE tone. The "ORGAN + FLUTE" integrated Tone Bank sound can be played with 5-note polyphony.
- ⑤ Next, try changing the Primary sound by first pressing the Tone Bank button once again to turn the Tone Bank function OFF temporarily. The preset ORGAN tone can once again be played with 10-note polyphony.
- ⑥ Select a new Primary sound—the STRINGS tone for example, and turn the Tone Bank function back ON. As the secondary sound (FLUTE) does not change in this case, you can now play the "STRINGS + FLUTE" integrated Tone Bank sound with 5-note polyphony.



NOTE:

When power is turned ON, the PIANO tone is automatically selected in Tone Bank memory. Because of this, procedure ② above causes the ORGAN tone to be integrated with the PIANO tone.

- ③ Select the preset CHORUS tone by pressing the corresponding tone selector. (This is the "Secondary" sound.) Now, the "ORGAN + CHORUS" integrated Tone Bank sound can be played with 5-note polyphony.

6. Auto-rhythms

• **Playing an auto-rhythm**

- ① Press the rhythm select button to choose the upper row or the lower row of auto-rhythms. The upper or lower select indicator lights to show the active row.
- ② Press one of the rhythm selectors.
- ③ Press start/stop button to start the rhythm.
- ④ Adjust the tempo of the rhythm by using the tempo control buttons. Pressing the <▲> button will increase tempo, while pressing the <▼> button will decrease tempo.

** Tempo of the auto-rhythm can be adjusted between 40 and 256 beats per minute. Pressing both tempo keys at the same time resets the tempo to 132 beats per minute.*

- ⑤ You can adjust the relative volume of the rhythm by using the accomp and lower volume sliders.
- ⑥ Press start/stop button once again to stop auto-rhythm play.

• **Using Synchro/fill-in button**

Press to enter synchro start standby. Rhythm starts when an accompaniment keyboard key (lower 1.5 octave, C through F) is pressed. (See page 13–14 to use synchro start in the auto-accompaniment performance.) When pressed during auto-rhythm and accom-

paniment performance, an appropriate fill-in is inserted in the rhythm pattern. If the button is held down, the fill-in pattern is repeated until the end of the measure during which the button is released.

• **Using Intro/ending button**

If you press the intro/ending button instead of pressing the start/stop button to start an auto-rhythm, the selected auto-rhythm begins after a one-measure intro pattern. This can be an effective way to lead into auto-rhythm performance. If pressed during auto-rhythm and accompaniment performance, the rhythm stops after an appropriate ending pattern.

★ **Using synchro start with an intro pattern**

Press the synchro/fill-in button to enter synchro start standby, and subsequently press the Intro/ending button. Rhythm starts when an accompaniment keyboard key is pressed, after a one-measure intro pattern.

Casio Chord system

The Casio Chord system has been developed so you can play the four main types of chords more easily. Playing of the chords is simplified as shown below:

- Pressing one of the accompaniment keyboard keys produces a major chord corresponding to that note.
- Simultaneously pressing any key to the right (two keys at the same time) results in a minor chord.
- Similarly, pressing one more key to the right (three keys in all) produces a seventh chord, and pressing the fourth key to the right (four keys in all) creates a minor seventh chord.

< Examples >

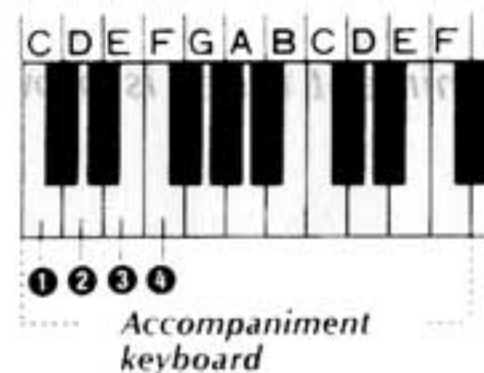
C (C major chord)—Press ①.

C_m (C minor chord)—Press ①, ② together.

C₇ (C seventh chord)—Press ①, ②, ③ together.

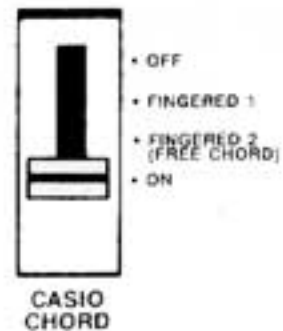
C_{m7} (C minor seventh chord)—Press ①, ②, ③, ④ together.

* Not only ②, ③, and ④, but any black or white keys can be used as long as they are to the right of ①.



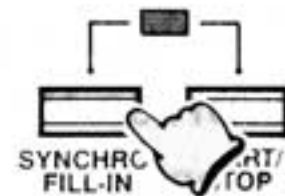
[1] Auto-accompaniment using the Casio Chord system (One-finger method)

① Set the Casio Chord selector to "ON".



② Select one of the auto-rhythms and press the synchro/fill-in button.

* *Tempo indicator lights, meaning that the accompaniment keyboard keys are ready for play.*



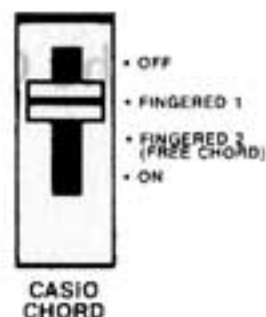
③ Play on the accompaniment keyboard keys according to the Casio Chord system.

* *Adjust the tempo and accompaniment volume using the respective controls.*

7. Auto-accompaniment

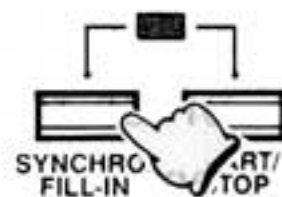
[2] Auto-accompaniment play using standard chord fingering

- ① Set the Casio Chord selector to “FINGERED 1” or “FINGERED 2”.



- ② Select one of the auto-rhythms and press the synchro/fill-in button.

* *Tempo indicator lights, meaning that the accompaniment keyboard keys are ready for play.*



- ③ Play a chord on the accompaniment keyboard keys.

* *Adjust the tempo and accompaniment volume using the respective controls.*

* *This unit is capable of recognizing the following chords; <M, m, -5, +5, dim, sus4, 7, M7, m7, mM7, m7-5, 7sus4, 9, m9>*

<About “Fingered 1” and “Fingered 2”>

This keyboard features two different types of fingered accompaniment patterns. You can select which type you want by selecting either the Fingered 1 mode, or the Fingered 2 mode. Respective accompaniment patterns and characteristics are as listed below.

(Fingered 1 Accompaniment)

Accompaniment consists of a single bass line and two different backing chord patterns. The pattern does not change until you play a chord consisting of at least 3 notes.

(Fingered 2 Accompaniment)

Accompaniment consists of a single bass line and a single backing chord pattern. In addition, you can add notes manually in two-note polyphony on the “accompaniment keyboard” without affecting the accompaniment pattern. The pattern does not change until you play a chord consisting of at least 3 notes.

* *Auto-accompaniment tones are preset in correspondence to each auto-rhythm type. A list of auto-rhythms and corresponding accompaniment tones is provided on page 15.*

< About the tones used in the auto-accompaniment >

Each auto-accompaniment pattern consists of one bass line and two types of chord lines (chord 1 and chord 2). The tones of these elements are preset corresponding to each auto-rhythms as shown below;

RHYTHMS	CHORD 1 TONES	CHORD 2 TONES	BASS TONES
ROCK 1	BRASS ENS.	METALLIC SOUND	SLAP BASS
ROCK 2	BRASS	SYNTH. CLAVI	SLAP BASS
8 BEAT 1	JAZZ ORGAN	PIANO	SLAP BASS
8 BEAT 2	METALLIC SOUND	BRASS ENS.	SLAP BASS
16 BEAT 1	MARIMBA	ELEC. PIANO	SLAP BASS
16 BEAT 2	SYNTH. CLAVI	BRASS ENS.	SLAP BASS
DISCO 1	SYNTH. CELESTA	BRASS ENS.	SLAP BASS
DISCO 2	HARP	STRINGS	BRASS ENS.
POPS 1	JAZZ ORGAN	PIANO	WOOD BASS
POPS 2	FLUTE	BRASS ENS.	SLAP BASS
SLOW ROCK 1	PIANO	VIBRAPHONE	WOOD BASS
SLOW ROCK 2	PIANO	HARP	WOOD BASS
SWING	PIANO	BRASS ENS.	WOOD BASS
SAMBA	SYNTH. CLAVI	JAZZ ORGAN	SLAP BASS
BOSSA NOVA	ELEC. PIANO	STRINGS	WOOD BASS
WALTZ	STRINGS	ORGAN	WOOD BASS
REGGAE	JAZZ ORGAN	FUNKY CLAVI	SLAP BASS
TANGO	ACCORDION	PIANO	WOOD BASS
BEGUINE	PIANO	JAZZ GUITAR	WOOD BASS
MARCH	BRASS ENS.	FLUTE	BRASS ENS.

8. Upper Keyboard Sampling Function

With the DM-100's upper-keyboard sampling function, sounds up to 1.4 seconds in length can be "sampled"—or digitally recorded—and then played back on the upper keyboard. There are two different sampling times — 1.4 seconds and 0.7 seconds. With 0.7-second sampling, you can store up to 4 different sounds in memory, while with "long" 1.4-second sampling, you can store up to 2 different sounds.

[Input from built-in microphone or line input]

With the DM-100, two different methods can be used to record sounds. You can use the built-in microphone for direct PCM sampling, or connect an external device such as a cassette tape recorder or CD player to the line input.

• Sampling procedure

① Select one of the 4 sample buttons.

* Press sample button 1 or 3 for long sampling.

* Sample 1 is automatically selected when sampling is performed without specifying a sample button.

② Press the sampling button.

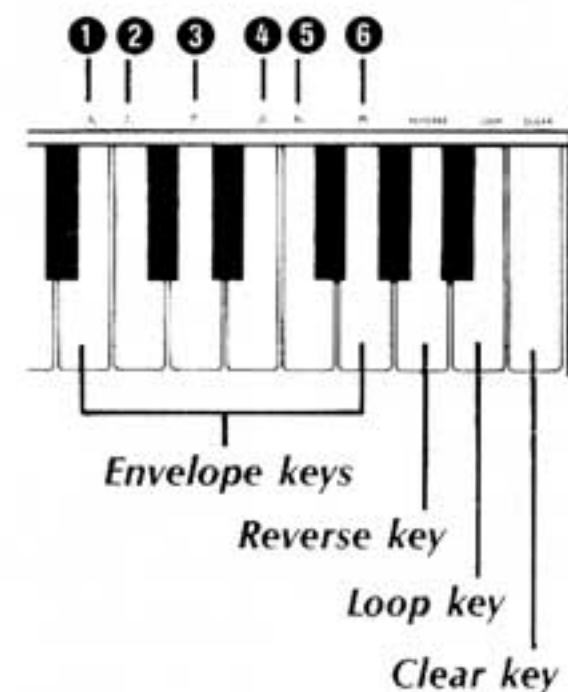
* Press the sampling long button for 1.4-second sampling.



- ③ Enter the sound using the built-in microphone, an external microphone or line in.
- * Any sampled sound previously present in the selected memory is deleted.
 - * If no sound is entered for approximately 12 seconds, sampling standby is cancelled.
- ④ Now the sampled sound can be played on the 32 keyboard keys.

• Loop, reverse, envelope

Loop and/or reverse effects can be added to the sampled sound. Also, an envelope can be applied to the sampled sound.



① Select one of the 4 sample buttons.



② Press the effect select button followed by any desired effect key (loop, reverse, 6 envelopes).



- * The reverse effect takes 3-6 seconds to apply.
- * Loop and reverse effects can be performed and cancelled by turns each time the effect key is pressed.
- * Three effects (loop, reverse, one of 6 envelopes) can be simultaneously applied to a sample sound.
- * All effects can be cancelled by pressing the effect select button followed by the clear key.

<6 envelopes>

- ① (\wedge).....Piano/guitar damped tone, slow decay.
- ② (\wedge_{\cdot}).....Long release (damped tone), slower decay than ①.
- ③ (ρ_{\cdot}).....Reverb, some sustain after decay begins.
- ④ (\wedge).....Slow attack, slow increase of volume at beginning.
- ⑤ (μ).....Tremolo I, fade out with slight vibrato.
- ⑥ (μ).....Tremolo II, slight vibrato.

• Sample tune

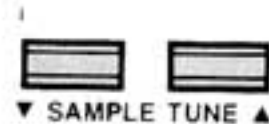
The pitch of sampled sounds can be easily tuned to A4 of the upper keyboard with the sample tune function.

① Press one of 4 sample buttons to be tuned, followed by either of the sample tune buttons (▲) (▼).



- * A continuous sound in the standard pitch (A4 of the upper keyboard) will be heard together with the sampled sound for comparison.

② Hold down the tune up button (▲) to raise the pitch, or the tune down button (▼) to lower the pitch. Release the button at the point where the standard pitch sound and the sampled sound are tuned.



- * The pitch of the sampled sound can be changed in the range of one octave, with the original pitch being at the mid-point of the octave.
- * Simultaneously pressing the tune up (▲) and down (▼) buttons allows comparison between the sampled sound and standard pitch (A4 of the upper keyboard) without raising or lowering the original pitch of the sampled sound.

9. Troubleshooting

**For any malfunction, always check battery condition first. (see page 5)*

Trouble	Possible Cause	Remedy
No sound, even if keys are pressed.	<ol style="list-style-type: none">1. Main volume turned down.2. Headphones connected.3. Auto power off has activated.4. Sampling function is activated.	<ol style="list-style-type: none">1. Turn up main volume.2. Disconnect headphones.3. Turn the power switch off and then on again.4. Upper keyboard is inoperative after sampling button is pressed. Press one of the sample buttons (1~4) to return to normal operation.
No rhythm.	Main, accompaniment and lower volume turned down.	Turn up main, accompaniment and lower volume.
No accompaniment.	Main, accompaniment and lower volume turned down.	Turn up main, accompaniment and lower volume.
The sampled tone is deleted.	Another sound has been sampled.	The sound previously sampled is automatically erased if you sample another sound.
Occasional interference.	Refrigerators, washing machines and similar electric appliances.	Use outlet as far away as possible from appliance thought to be the cause.
No sound when connected to external amplifier.	<ol style="list-style-type: none">1. Main volume turned down.2. Defective connection cord.	<ol style="list-style-type: none">1. Turn up main volume.2. Replace connection cord.

10. Care of Your Keyboard

1. Avoid heat, humidity, and direct sunlight.

Do not overexpose the unit to direct sunlight, place it near a heater, or in any area subject to high temperature.

2. Avoid severe impacts and do not drop.

Severe impacts can result in malfunction. When carrying or transportation the unit, protect the keyboard and keys by packing with soft cloth.

3. Keep the unit free of liquids, dust, particles, etc.

Do not allow foreign matter to enter between the keys. Be especially careful of metallic objects such as hairpins, sewing needles or coins. Also, do not allow the unit to get wet.

4. Never attempt to modify any part of the unit.

Your keyboard is a precision musical instrument made up of sophisticated electronic parts. Any modification of, or tampering with internal components can cause trouble or malfunction.

5. Do not use lacquer thinner or similar chemicals for cleaning.

Clean the keyboard with a soft cloth dampened with a mild detergent solution and squeeze it until almost dry.

6. Remove batteries before extended storage.

Batteries left in the unit for long periods can leak and cause damage to electronic circuitry.

7. In case of malfunction...

Check whether buttons and connections are set correctly as indicated in the troubleshooting chart. If the unit still does not work properly, contact the original retailer or a nearby dealer. Never attempt to repair the unit yourself. This can result in serious damage of the components.

11. Specifications

Model:	DM-100
Number of keys:	Upper; 32 mini keys Lower; 49 mini keys
Polyphonic:	Upper; 4-note polyphonic Lower; 10-note polyphonic
Preset tones:	Upper; 8 Piano, Vibraphone, Pipe organ, Violin, Trumpet, Flute, Clarinet, Guitar Lower; 20 Piano, Harpsichord, Vibraphone, Jazz organ, Pipe organ, Brass-ens, Flute, Chorus, Bells, Percussion, Elec piano, Funky clavi, Jazz guitar, Organ, Accordion, Strings, Synth-reed, Metallic sound, Synth-ens, Bass (Wood bass/Slap bass)
Sampling Tones:	Upper; 4
Tone bank sounds:	Lower; 210
Auto-rhythms:	20; Rock 1-2, 8 beat 1-2, 16 beat 1-2, Disco 1-2, Pops 1-2, Slow rock 1-2, Swing, Samba, Bossa nova, Waltz, Reggae, Tango, Beguine, March
Rhythm source:	49 PCM rhythm sources
Auto-accompaniment function:	Lower; Casio Chord on/fingered 1/fingered 2
Sampling time:	Upper; 0.7-second sampling (× 4) 1.4-second sampling (× 2)
Sampling rate:	Upper; 9.38 kHz 8-bit
Sampling tune:	Upper; ±1 octave
Effects:	Upper; Reverse, Loop, Envelope × 6

Built-in effects:	Stereo delay, Stereo panning
Terminals:	Line out L/R [output impedance: 2.2 K Ω , output voltage: 600 mV (RMS) MAX], headphone jack, Line in/Sampling [input impedance: 100 K Ω , input sensitivity: 100 mV], AC adaptor jack (DC 9 V)
Tuning control:	Upper; A4=442 Hz \pm 30 cents Lower; A4=442 Hz \pm 30 cents
Built-in speakers:	10 cm (3 15/16") dia \times 2
Auto power off function:	Approximately 6 minutes after the last operation
Power source:	3-way AC/DC power source; <ul style="list-style-type: none"> • AC: 100, 117, 220, 240 V (\pm 10 V), 50/60 Hz, with optional AD-5 AC adaptor • DC: 6 D size (SUM-1/R20P) manganese dry batteries Battery life: Approximately 7 hours • Car battery: Requires optional CA-5 car adaptor
Power consumption:	7 W
Dimensions:	765(W) \times 319(D) \times 85(H) mm 30 1/8" (W) \times 12 9/16" (D) \times 3 3/8" (H)
Weight:	4.5 kg (10 lbs) including batteries
Standard accessories:	6 "D" size batteries

**Designs and specifications are subject to change without notice.*

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate the computer with respect to the receiver
- move the computer away from the receiver

..... plug the computer into a different outlet so that computer and receiver are on different branch circuits.

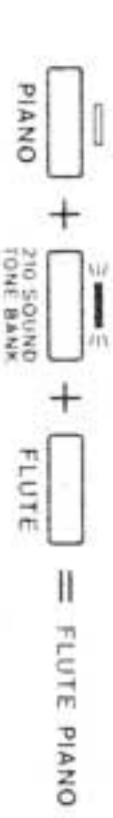
If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

CASIO®

CASIO 210 SOUND TONE BANK

トーンバンク音色の選び方

- ◆ "FLUTE PIANO" を選ぶ場合
 - ① トーンセレクターでPIANOを選びます。
 - ② トーンバンクキーを押します (インジケータ一点灯)
 - ③ トーンセレクターでFLUTEを選びます。



- ◆ 続いて、"BELLS PIANO" を選ぶ場合
 - ④ 操作③のあとで、そのままBELLSを選びます。

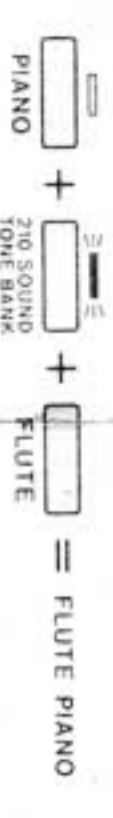


- ◆ 次に、"HARPSI BRASS" を選ぶ場合
 - ⑤ トーンバンクキーを押します (インジケータ二点灯)
 - ⑥ トーンセレクターで、HARPSICHORDを選びます。
 - ⑦ もう一度、トーンバンクキーを押します (インジケータ二点灯)
 - ⑧ トーンセレクターでBRASS ENSを選びます。



◎ Selecting Tone Bank Sound Combinations

- ◆ To select "FLUTE PIANO" sound:
 - 1 Select PIANO tone with the tone selector.
 - 2 Press the Tone Bank button. The indicator above the button lights.
 - 3 Select the FLUTE tone with the tone selector.



- ◆ Subsequently selecting "BELLS PIANO" sound:
 - 4 Press the BELLS tone selector.

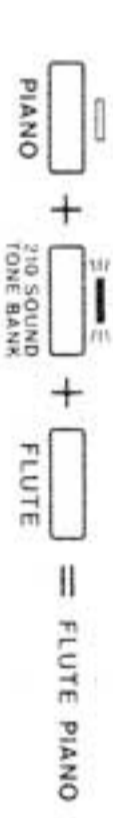


- ◆ To select "HARPSI BRASS" sound:
 - 5 Press the Tone Bank button to turn off this feature. The indicator goes out.
 - 6 Select the HARPSICHORD tone.
 - 7 Press the Tone Bank button again. The indicator lights.
 - 8 Select the BRASS ENS tone with the tone selector.



◎ Selección de las combinaciones del banco de sonido

- ◆ Para seleccionar el sonido "FLUTE PIANO":
 - 1 Seleccione el sonido PIANO con el selector de sonido.
 - 2 Presione el botón de banco de sonido. Se ilumina el indicador sobre el botón.
 - 3 Seleccione el sonido FLUTE con el selector de sonido.



- ◆ A continuación seleccione el sonido "BELLS PIANO":
 - 4 Presione el selector de sonido BELLS.

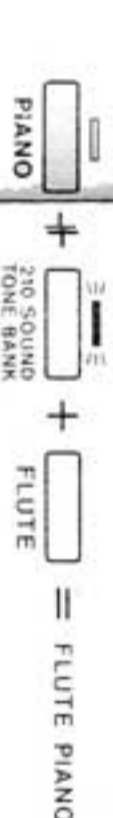


- ◆ Para seleccionar el sonido "HARPSI BRASS":
 - 5 Presione el botón de banco de sonido para desactivar esta característica. El indicador se apaga.
 - 6 Seleccione el sonido HARPSICHORD.
 - 7 Presione nuevamente el botón de banco de sonido. El indicador se ilumina.
 - 8 Seleccione el sonido BRASS ENS con el selector de sonido.



◎ Wahl von Tonbank-Sound Kombinationen

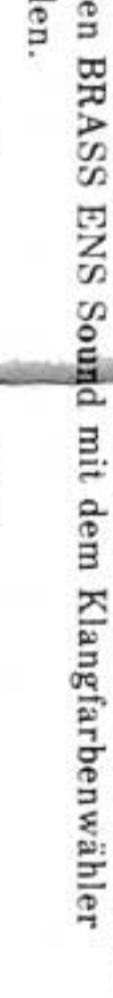
- ◆ Wählen des "FLUTE PIANO" Sounds:
 - 1 Den PIANO Sound mit dem Klangfarbenwähler wählen.
 - 2 Die Tonbanktaste drücken. Die Anzeige über der Taste leuchtet.
 - 3 Den FLUTE Sound mit dem Klangfarbenwähler wählen.



- ◆ Danach den "BELLS PIANO" Sound wählen:
 - 4 Den BELLS Klangfarbenwähler drücken.

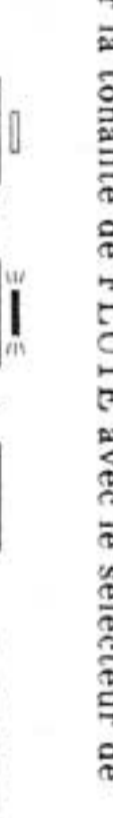


- ◆ Wählen des "HARPSI BRASS" Sound:
 - 5 Die Tonbanktaste drücken, um diese Funktion auszuschalten. Die Anzeige erlischt.
 - 6 Seleccione el sonido HARPSICHORD.
 - 7 Die Tonbanktaste nochmals drücken. Die Anzeige leuchtet.
 - 8 Den BRASS ENS Sound mit dem Klangfarbenwähler wählen.

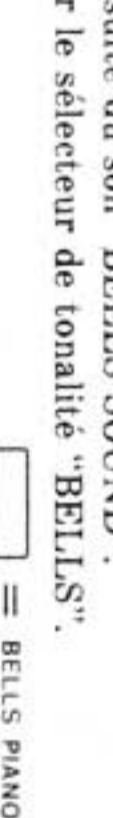


◎ Sélection des combinaisons sonores de banque de tonalités

- ◆ Pour sélectionner le son "FLUTE PIANO":
 - 1 Sélectionner la tonalité de PIANO avec le sélecteur de tonalité.
 - 2 Appuyer sur la touche de banque de tonalités. Le témoin situé au-dessus de la touche s'allume.
 - 3 Sélectionner la tonalité de FLUTE avec le sélecteur de tonalité.



- ◆ Sélectionner la tonalité "BELLS":
 - 4 Appuyer sur le sélecteur de tonalité "BELLS".

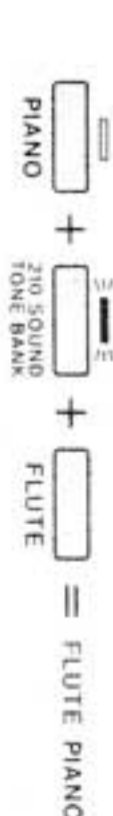


- ◆ Pour sélectionner le son "HARPSI BRASS":
 - 5 Appuyer sur la touche de banque de tonalités pour désactiver cette caractéristique. Le témoin s'éteint.
 - 6 Sélectionner la tonalité HARPSICHORD.
 - 7 Appuyer à nouveau sur la touche de banque de tonalités. Le témoin s'allume.
 - 8 Sélectionner la tonalité "BRASS ENS" avec le sélecteur de tonalité.



◎ Kiezen van toonbankklankcombinaties

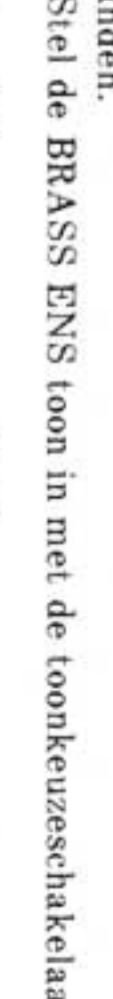
- ◆ Voor keuze van de "FLUTE PIANO" klank:
 - 1 Stel de PIANO klank in met de toonkeuzeschakelaar.
 - 2 Druk op de toonbanktoets. De indicator boven de toets gaat branden.
 - 3 Stel de FLUTE toon in met de toonkeuzeschakelaar.



- ◆ Om daarna de "BELLS PIANO" klank in te stellen:
 - 4 Druk op de BELLS toonkeuzeschakelaar.

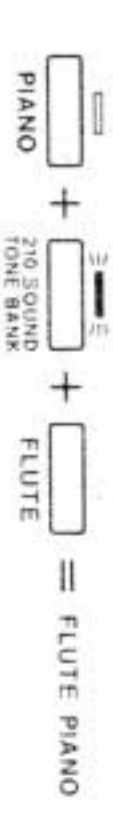


- ◆ Om de "HARPSI BRASS" klank in te stellen:
 - 5 Druk op de toonbanktoets om deze functie uit te schakelen. De indicator gaat uit.
 - 6 Stel de HARPSICHORD toon in.
 - 7 Druk nogmaals op de toonbanktoets. De indicator gaat branden.
 - 8 Stel de BRASS ENS toon in met de toonkeuzeschakelaar.



◎ Selezione di combinazioni di suoni della banca di toni

- ◆ Per selezionare il suono "FLUTE PIANO":
 - 1 Selezionare il tono PIANO con il selettore di tono.
 - 2 Premere il tasto di banca di tono. L'indicatore sopra il tasto si illumina.
 - 3 Selezionare il tono FLUTE con il selettore di tono.



- ◆ Per poi selezionare il suono "BELLS PIANO":
 - 4 Premere il selettore di tono BELLS.



- ◆ Per selezionare il suono "HARPSI BRASS":
 - 5 Premere il tasto di banca di tono per disattivare la funzione. L'indicatore si spegne.
 - 6 Selezionare il tono HARPSICHORD.
 - 7 Premere di nuovo il tasto di banca di tono. L'indicatore si illumina.
 - 8 Selezionare il tono BRASS ENS con il selettore di tono.



PIANO	HARPSICHORD	VIBRAPHONE	JAZZ ORGAN	PIPE ORGAN	BRASS ENS	FLUTE	CHORUS	BELLS	PERCUSSION	ELEC PIANO	FUNKY CLAVI	JAZZ GUITAR	ORGAN	ACCORDION	STRINGS	SYNTH-REED	METALLIC SOUND	SYNTH-ENS	BASS
	PF HARPSICHORD	VIBRAPHONE 2	PF J ORGAN	PF ORGAN 1	POPS ENS	FLUTE PIANO	PF CHORUS	BELLS PIANO	PERC PIANO	ELEC PIANO 2	PF CLAVI	PF GUITAR	PF ORGAN 2	PF ACCORDION	ST PIANO	PF REED	METALLIC PIANO	SYNTH-PIANO	BASS PIANO
	HARPSICHORD	HARPSI VIB	HARPSI J ORGAN	HARPSI ORGAN 1	HARPSI BRASS	HARPSI FLUTE	HARPSI CHORUS	HARPSI BELLS	PERC HARPSI	ELEC HARPSI	HARPSI CLAVI	GUITAR HARPSI	HARPSI ORGAN 2	H ACCORDION	ST HARPSI	HARPSI REED	METALLIC HARPSI	SYNTH-HARPSI	HARPSI BASS
	VIBRAPHONE	HARPSI VIB	VIB J ORGAN	VIB ORGAN 1	VIB BRASS	VIB FLUTE	CHORUS VIB	BELLS VIB	PERC VIB	ELEC VIB	VIB CLAVI	JAZZ VIB	VIB ORGAN 2	VIB ACCORDION	STRING VIB	VIB REED	METALLIC VIB	SYNTH-VIB	BASS VIB
	JAZZ ORGAN	HARPSI J ORGAN	VIB J ORGAN	ELEC ORGAN 1	BRASS ORGAN	FLUTE ORGAN	CHORUS ORGAN	BELLS ORGAN	PERC J ORGAN	ELEC ORGAN 2	ORGAN CLAVI 1	ATTACK ORGAN	JAZZ ORGAN 2	JAZZ ACCORDION	STRING ORGAN 1	ORGAN REED	METALLIC ORGAN	SYNTH-ORGAN	BASS ORGAN
	PIPE ORGAN	HARPSI ORGAN 1	VIB ORGAN 1	ELEC ORGAN 1	BRASS ORGAN	PIPE ORGAN 2	CHORUS ORGAN	CATHERAL 2	PERC PIPE	ELEC ORGAN 3	ROCK ORGAN	PIPE ORGAN 3	PIPE ORGAN 4	PIPE ACCORDION	STRING PIPE	PIPE REED	METALLIC PIPE	SYNTH-PIPE	BASS PIPE
	BRASS ENS	HARPSI BRASS	VIB BRASS	BRASS ORGAN	BRASS PIPE	BRASS FLUTE	BRASS FLUTE	BRASS BELLS	PERC BRASS	SYNTH-BRASS 1	SYNTH-BRASS 2	JAZZ BRASS	ORG BRASS	ORG BRASS	STRING BRASS	BRASS REED	METALLIC BRASS	SYNTH-BRASS 3	BASS BRASS
	FLUTE	HARPSI FLUTE	VIB FLUTE	BRASS ORGAN	BRASS PIPE	PIPE ORGAN 2	PIPE ORGAN 2	FLUTE CHORUS	PERC FLUTE	ELEC FLUTE	FLUTE CLAVI	ATTACK CLAVI	ORGAN 2	FL ACCORDION	FLUTE STRINGS	FL REED	METALLIC FLUTE	SYNTH-FLUTE	BASS FLUTE
	CHORUS	HARPSI CHORUS	CHORUS VIB	CHORUS ORGAN	CHORUS ORGAN	FLUTE CHORUS	SYNTH-BRASS 1	BELLS CHORUS	PERC CHORUS	CHORUS ENS 1	CHORUS SOUND	ATTACK CHORUS	CHORUS ENS 2	CHORUS ENS 3	CHORUS CHORUS	BELLS REED	METALLIC CHORUS	SYNTH-CHORUS 1	BASS CHORUS
	BELLS	HARPSI BELLS	BELLS VIB	CATHERAL 2	PERC BELLS	BELLS FLUTE	BELLS CHORUS	BELLS CHORUS	PERC BELLS	ELEC BELLS	BELLS CLAVI	BELLS GUITAR	CATHERAL 3	BELLS ACCORDION	BELLS STRINGS	BELLS REED	METALLIC BELLS	SYNTH-BELLS	BASS BELLS
	PERCUSSION	PERC HARPSI	PERC VIB	PERC J ORGAN	PERC PIPE	PERC FLUTE	PERC CHORUS	PERC BELLS	ELEC PERC	PERC CLAVI	PERC CLAVI	PERC GUITAR	PERC ORGAN	PERC ACCORDION	PERC STRINGS	PERC REED	METALLIC PERC	SYNTH-PERC	BASS PERC
	ELEC PIANO	ELEC HARPSI	ELEC VIB	ELEC ORGAN 2	ELEC ORGAN 3	ELEC FLUTE	ELEC CHORUS	ELEC BELLS	ELEC PERC	ELEC CLAVI	ELEC CLAVI	ELEC CLAVI	ELEC ORGAN 4	ELEC ACCORDION	ELEC STRINGS 2	ELEC REED 3	ELEC PIANO 4	ELEC PIANO 5	BASS EL PIANO
	FUNKY CLAVI	HARPSI CLAVI	VIB CLAVI	ORGAN CLAVI 1	ROCK ORGAN	SYNTH-BRASS 2	SYNTH-SOUND	BELLS CLAVI	PERC CLAVI	ELEC CLAVI	FUNKY CLAVI 2	FUNKY CLAVI 2	ORGAN CLAVI 2	FUNKY ACCORDION	ST CLAVI	FUNKY REED	METALLIC CLAVI	CLAVI ENS	SYNTH-BASS 1
	JAZZ GUITAR	GUITAR HARPSI	JAZZ VIB	ATTACK ORGAN	PIPE ORGAN 3	JAZZ BRASS	JAZZ FLUTE	ATTACK CHORUS	PERC GUITAR	ELEC ORGAN 3	FUNKY CLAVI 2	JG ORGAN	JG ORGAN	ACCORDION 2	JAZZ STRINGS	JG REED	METALLIC GUITAR	SYNTH-GUITAR	ORG GUITAR
	ORGAN	HARPSI ORGAN 2	VIB ORGAN 2	JAZZ ORGAN 2	ORG BRASS	ORGAN 2	ORGAN 2	CHORUS ENS 2	PERC ORGAN	ELEC ORGAN 4	ORGAN CLAVI 2	JG ORGAN	ACCORDION 4	ACCORDION 4	ST ORGAN 2	SYNTH-REED 4	DIGITAL ORGAN	ORGAN 3	ORG BASS
	ACCORDION	H ACCORDION	VIB ACCORDION	PIPE ACCORDION	SYNTH-ACCORDION	FL ACCORDION	CHORUS ENS 3	BELLS ACCORDION	PERC ACCORDION	ELEC ACCORDION	FUNKY ACCORDION	ACCORDION 2	ACCORDION 4	ACCORDION 4	ACCORDION ENS	SOLO REED	M ACCORDION	ACCORDION 3	BASS ACCORDION
	STRINGS	ST HARPSI	STRING VIB	STRING ORGAN 1	STRING PIPE	STRING BRASS	STRING CHORUS	BELLS STRINGS	PERC STRINGS	SYNTH-STRINGS 2	ST CLAVI	JAZZ STRINGS	ST ORGAN 2	ACCORDION ENS	ST REED	DIGITAL STRINGS	DIGITAL STRINGS	SYNTH-STRINGS 1	BASS STRINGS
	SYNTH-REED	HARPSI REED	VIB REED	ORGAN REED	BRASS REED	BRASS REED	SYNTH-CHORUS 2	BELLS REED	PERC REED	SYNTH-REED 3	FUNKY REED	JG REED	SYNTH-REED 4	SOLO REED	ST REED	DIGITAL REED	DIGITAL REED	SYNTH-REED 2	BASS REED
	METALLIC SOUND	METALLIC HARPSI	METALLIC VIB	METALLIC ORGAN	METALLIC PIPE	METALLIC FLUTE	METALLIC CHORUS	METALLIC BELLS	METALLIC PERC	ELEC PIANO 4	METALLIC CLAVI	METALLIC GUITAR	DIGITAL ORGAN	DIGITAL ORGAN	DIGITAL REED	DIGITAL STRINGS	DIGITAL STRINGS	DIGITAL ENS	METALLIC BASS
	SYNTH-ENS	SYNTH-HARPSI	SYNTH-VIB	SYNTH-ORGAN	SYNTH-PIPE	SYNTH-ENS 2	SYNTH-FLUTE	SYNTH-BELLS	SYNTH-PERC	SYNTH-PIANO 5	CLAVI ENS	SYNTH-GUITAR	ORGAN 3	ACCORDION 3	SYNTH-STRINGS 1	SYNTH-REED 2	DIGITAL ENS	SYNTH-BASS 2	BASS REED
	BASS	HARPSI BASS	BASS VIB	BASS ORGAN	BASS PIPE	BASS BRASS	BASS FLUTE	BASS CHORUS	BASS BELLS	BASS PIANO	BASS BRASS	BASS GUITAR	ORG BASS	BASS ACCORDION	BASS STRINGS	BASS REED	METALLIC BASS	SYNTH-BASS 2	BASS REED

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