

KAWAI
PERSONAL KEYBOARD
MS20

Owner's Manual

Play like a Pro!

with  **ONE FINGER AD-LIB™**

INTRODUCING THE MS20 PERSONAL KEYBOARD

Congratulation on your purchase of this exciting new keyboard from KAWAI.

The MS20 is designed for instant musical fun! Kawai's exclusive ONE FINGER AD-LIB feature will have you playing toe-tapping tunes in just seconds.

Plus, the MS20's new SELF INTRODUCTION Sound Selection System will make you it more fun than ever to explore the wide variety of sounds and rhythms that the MS20 can produce!

This manual will take you on a "step-by step tour" of all the MS20's functions.

HAVE FUN . . . and thank you for choosing KAWAI.

■ WARNING:

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it can cause interference to radio communications. The rules with which it must comply afford reasonable protection against interference when used in most locations. However, there can be no guarantee that such interference will not occur in a particular installation. If this equipment should be suspected of causing interference with other electronic devices, verification can be made by turning its power off and on. If this equipment does appear to be the source of the interference, you should try to correct the interference by one or more of the following measures:

- reorient the receiving antenna.
- move the receiving away from the instrument.
- plug the instrument into a different outlet so that it and receiver are on different branch circuits.
- consult the dealer or a qualified service personnel.

■ This instrument complies with the limits for class B digital apparatus, pursuant to the Radio Interference Regulations, C.R.C.,c. 1374.

Important Information: How to care for your MS20 keyboard

- Do not use or store the MS20 in locations where it may be exposed to severe shocks, high temperature or humidity, or direct sunlight, which could irreparably damage the MS20's precision-engineered components.
- Do not allow foreign objects to fall into the gaps around keys.
- Never attempt to disassemble or modify the MS20, as doing so can damage the instrument causing malfunctions, short circuits, and electrical shocks.
- If you have any service questions which are not answered by this manual, please consult your dealer.

Power Supply

The MS20 can run on either dry cell batteries or normal household current.

■ Battery Operation

Remove the battery cover on the rear of the MS20 and insert four size AA dry cell batteries, making sure that they are installed in the proper direction.

Cautions:

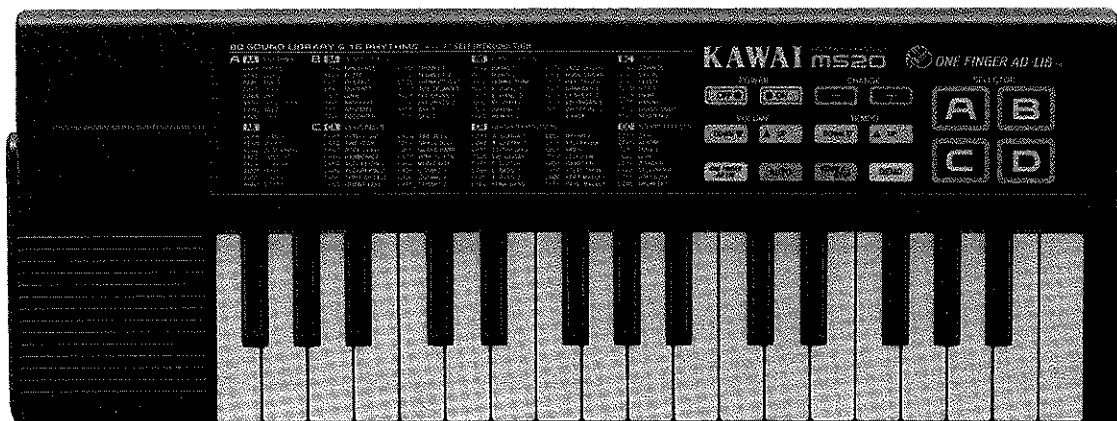
- If the volume fades or if there are problems with sound quality during battery operation, this may be a signal that it is time to replace the batteries.
- Be sure to replace all four batteries as a set. Never mix new and old batteries together.
- Do not leave the batteries inside the MS20 during storage or long periods of non-use.

■ AC Operation

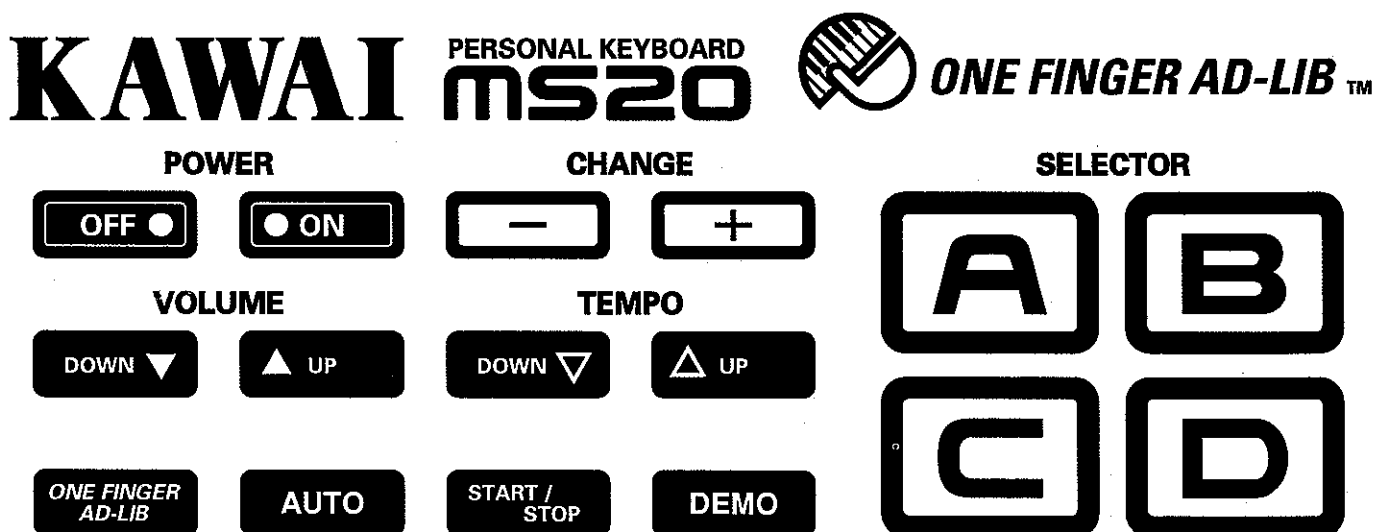
The MS20 can run on normal household current using an adaptor (PS-092, available separately).

- * Always turn the **POWER** off before connecting the adaptor to the MS20.

General view

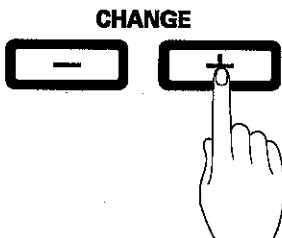
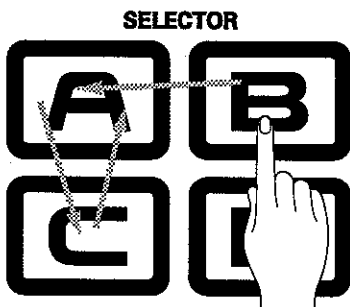
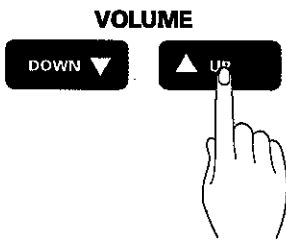
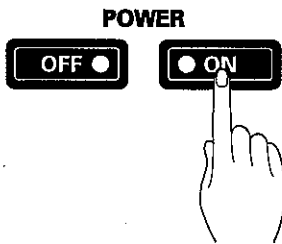


Panel buttons



Specifications

- 32 mid-size keyboard
- 80 tones
- 16 rhythms
- ONE FINGER AD-LIB function
- SELF-INTRODUCTION function
- START/STOP button
- AUTO 1/2/OFF button
- VOLUME buttons
- TEMPO buttons
- DEMO button
- POWER buttons
- 8 cm speaker
- DC IN jack
- Dimensions: 490 W x 175 D x 46H (mm)
- Weight: 0.9 kg



First, let's turn the power on

Simply press the **POWER** button.

A message will appear to inform you that the power is now on.

* If the MS20's power is left on for a long period of time (about 5 minutes) without the keyboard being played, the power will turn off automatically.

Let's begin by listening to the demo song

1. Press the **DEMO** button.
2. A demo song will begin to play which uses a variety of the MS20's impressive sounds.
3. Try changing the volume of the demo song using the **VOLUME** buttons.
4. The demo song will begin to play again once it has ended. To stop the song, simply press the **DEMO** button once again.

Introducing the SELF-INTRODUCTION system for selecting sounds

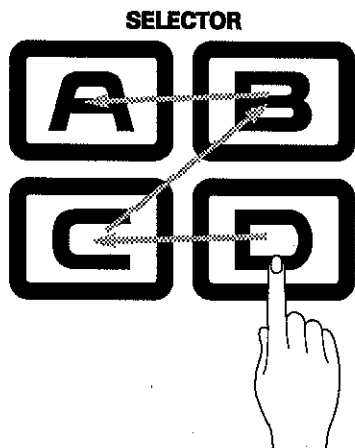
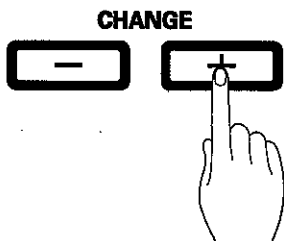
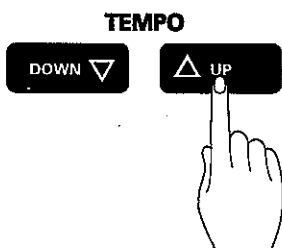
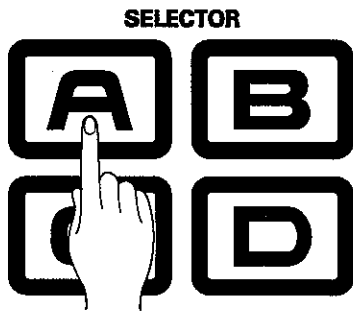
Now, let's try playing a few notes to explain the SELF-INTRODUCTION system.

1. Press the **SELECTOR** buttons in this order B-A-C-A. You will hear a short musical phrase introducing the TRUMPET 1 (BACA) sound, followed by the sound of applause. This musical phrase lets you know which sound you have selected. Now, when you press one of the keys on the keyboard, the sound labelled BACA TRUMPET 1 will be played.
2. A short musical phrase will be played whenever a sound is selected, followed by the sound of applause. This is the MS20's SELF-INTRODUCTION function: each sound introduces itself to you musically. Select a few different sounds to try out this function. It's fun !

NOTE: If, while selecting sounds you press a letter combination that is not listed in the "80 SOUND LIBRARY" (or if you press one of the keys on the keyboard before your selection is complete), an error message will be heard. This means that the selection process has been halt and you must start again.

3. If you would like to listen to the MS20's sound in their listed order, use the **CHANGE** buttons. Begin by using the **SELECTOR** buttons to choose the sound BAAA PAN FLUTE. Now when you press the **CHANGE +** button, hear the next sound BAAB FLUTE. Continue pressing the **CHANGE +** button to select sounds BAAC, BAAD, and so on. Pressing the **CHANGE -** button will select sounds in the reverse of their listed order.

Congratulations ! You have just mastered the MS20's SELF-INTRODUCTION feature to select sounds !



Using the SELF-INTRODUCTION system for selecting rhythms

Let's try selecting some rhythms with the SELF-INTRODUCTION system:

1. Press the **SELECTOR** buttons in this order: A-A-A-A. You will hear a brief sample of the rhythm pattern you have selected (DANCE), followed by applause.
2. Press the **START/STOP** button. The AAAA DANCE rhythm will play, beginning with an Intro Pattern.
3. Try changing the rhythm's tempo using the **TEMPO** buttons.
4. If you press the **START/STOP** button once again, an Ending Pattern will play and the rhythm will stop. If this button is pressed twice continuously, the rhythm stops immediately.
5. Use the **SELECTOR** buttons whenever you want to change the rhythm pattern.

Congratulations! Now you know how to use the SELF-INTRODUCTION system to select both sounds and rhythms.

Using the CHANGE buttons

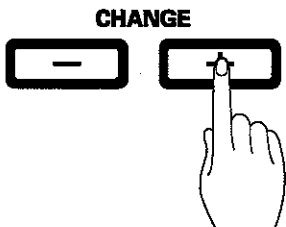
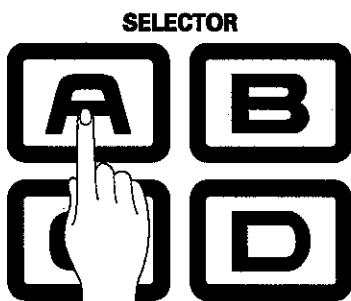
You should use the **CHANGE** buttons when you want to change from one sound or rhythm to another that is immediately adjacent to it.

After selecting a sound, you can select the sound following it (or the one preceding it) simply by pressing the appropriate **CHANGE** button (+ or -).

Likewise, after selecting a rhythm, you can select the rhythm preceding it or following it by pressing one of the **CHANGE** buttons.

Turning the SELF-INTRODUCTION function off

There may be times when you don't want the SELF-INTRODUCTION function to operate (eg. when you want to change sounds or rhythms in the middle of a song). To disable this function, just press the **SELECTOR** button in this order: D-C-B-A. Pressing the **SELECTOR** buttons in this order again will turn the function back on.



Using the Auto-Accompaniment function

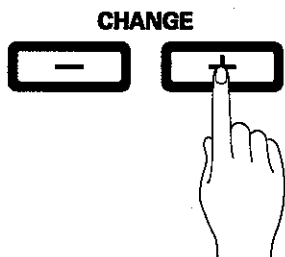
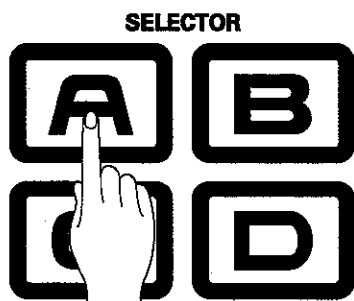
The MS20's Auto-Accompaniment function allows you to enjoy authentic ensemble performances, simply by (1) pressing and holding chords with your left hand, or by (2) pressing a key with a single finger of your left hand.

1. Use either the **SELECTOR** buttons or the **CHANGE** buttons to select a rhythm.
2. Next, press the **AUTO** button once. This activates the "Fingered Chord" system for **AUTO-ACCOMPANIMENT**.
3. Start the rhythm using the **START/STOP** button.
4. Play a chord on the **AUTO-ACCOMPANIMENT** section of the keyboard. The **AUTO-ACCOMPANIMENT** and rhythm should begin playing together. The chords played by the **AUTO-ACCOMPANIMENT** will change to match the chord form you depress. The chord forms that you can use are on page 8.
5. Now press the **AUTO** button once again. This activates the "Single Finger" system for **AUTO-ACCOMPANIMENT**.
6. Try pressing just one of the keys on the **AUTO-ACCOMPANIMENT** section of the keyboard. The **AUTO-ACCOMPANIMENT** should change each time you press a key. This function allows you to enjoy using the **AUTO-ACCOMPANIMENT** with one finger if you have difficulty playing complete chord forms.
7. Pressing the **AUTO** button a third time turns the **AUTO-ACCOMPANIMENT** function off.

To summarize, pressing the **AUTO** button once allows you to use complete fingered chord forms to trigger the **AUTO-ACCOMPANIMENT**.

Pressing the **AUTO** button a second time lets you use one finger on a single note in the **AUTO-ACCOMPANIMENT** section of keyboard to trigger the **AUTO-ACCOMPANIMENT**.

NOTE: Before proceeding to the next step, you should turn the **AUTO-ACCOMPANIMENT** function off using the **AUTO** button as described above. (You can check to make sure that the **AUTO-ACCOMPANIMENT** is off by pressing a key on the **AUTO-ACCOMPANIMENT** section of the keyboard. You hear the currently selected sound, rather than the **AUTO-ACCOMPANIMENT**.)



Introducing the ONE FINGER AD-LIB function

This is the feature that sets Kawai keyboards apart from all other brands of keyboard products! ONE FINGER AD-LIB allows you to play ad-lib solos that let you sound like a "pro"—with only a single finger!

Here's how it works:

1. Use either the **SELECTOR** buttons or the **CHANGE** buttons to select a rhythm.
2. Next, press the **ONE FINGER AD-LIB** button. The **AUTO-ACCOMPANIMENT** should begin to play. You don't need to play any chord forms with your left hand. The chords will change automatically according to a preset chord progression.
3. Now, hold down one of the keys in the **ONE FINGER AD-LIB** section of the keyboard. You will hear an exciting ad-lib phrase! Each key in this section plays a different ad-lib phrase when you hold it down.
4. When you select a new rhythm, all the **ONE FINGER AD-LIB** solo phrases will change to match the new rhythm. Try changing to a new rhythm and hear what happens.

Have fun with **ONE FINGER AD-LIB**!

Show your friends how much fun it is to play like a "pro" in no time at all!

A note about the ONE FINGER AD-LIB chord progressions

If the AUTO-ACCOMPANIMENT is started while the ONE FINGER AD-LIB function is ON, a chord progression which complements the rhythm you have selected will begin to play in the key of C major. For example, if you select AAAD ROCK, the following chord progression will play:

C / C / E^b / E^b / F / F / G / G

If you would rather play a song using the rock rhythm in the key of A, then follow the procedure below:

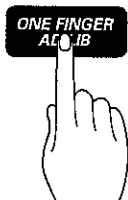
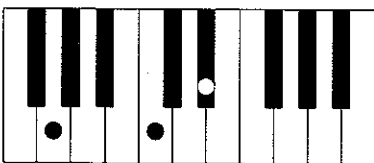
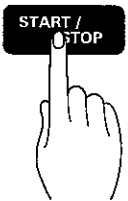
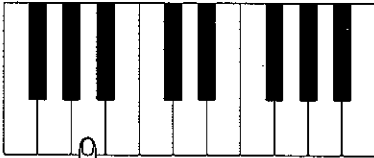
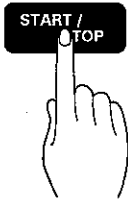
1. Stop the Rhythm and AUTO-ACCOMPANIMENT using the **START/STOP** button.
2. Press the A key as shown in the picture at left.
3. Now when you press the **ONE FINGER AD-LIB** button again, the Rhythm and AUTO-ACCOMPANIMENT will start to play. You will hear the following chord progression:

A / A / C / C / D / D / E / E

If you would rather play a song using the rock rhythm in a minor key, then follow the alternate procedure below:

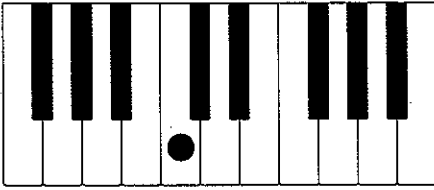
1. Stop the Rhythm and AUTO-ACCOMPANIMENT using the **START/STOP** button.
2. Play a Cm chord as shown in the picture at left.
3. Now when you press the **ONE FINGER AD-LIB** button again, the Rhythm and AUTO-ACCOMPANIMENT will start to play, and you will hear the following chord progression:

Cm / Cm / Fm / Fm / A^bM7 / A^bM7 / Gm / Gm

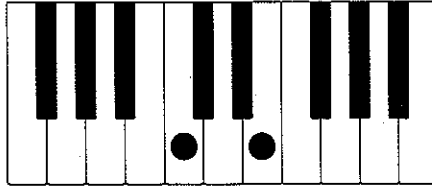


How to play chords that MS20 can recognize (C root)

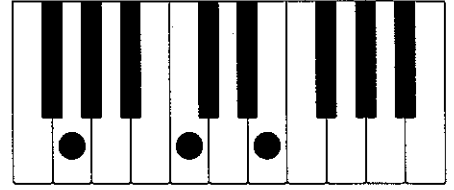
C Major



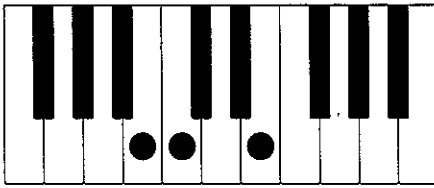
C Major



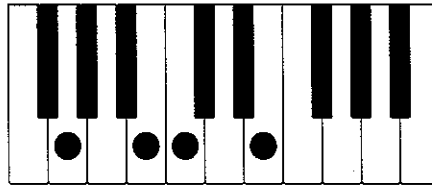
C Major



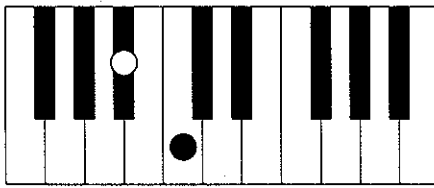
CM7



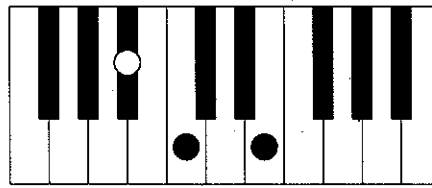
CM7



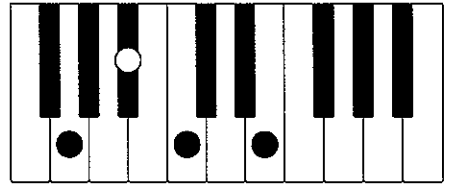
C7



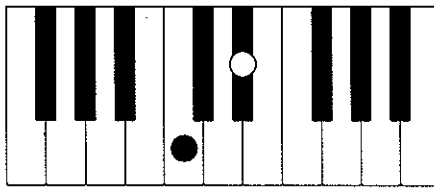
C7



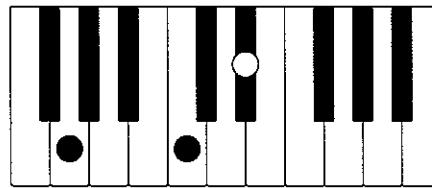
C7



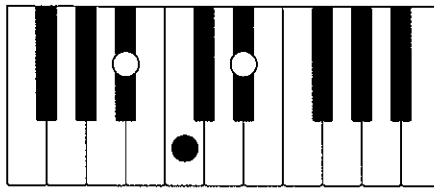
C minor



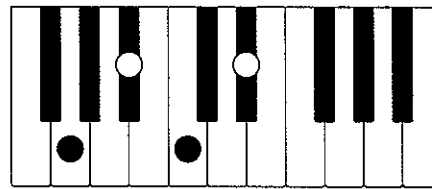
C minor



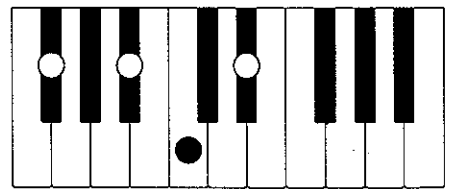
Cm7



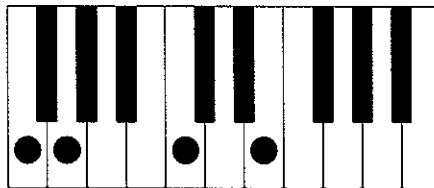
Cm7



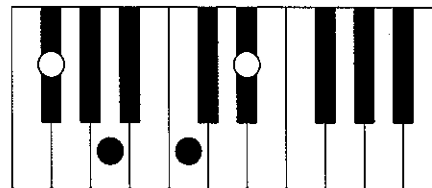
Cm7-5



Csus4



Cdim



KAWAI

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