YAMAHA

Clavinova

CVP-7
CVP-5
CVP-3

Owner's Manual/Bedienungsanleitung
Mode d'Emploi/Manual de instrucciones/Bruksanvisning

Introduction

Please accept our thanks for purchasing a Yamaha Clavinova CVP-7, CVP-5 or CVP-3. The Clavinova is a completely new type of keyboard instrument made possible by Yamaha's advanced electronic technology and long experience in manufacturing musical instruments. The main features are as follows.

● 76 standard size keys.
● 16 voices using FM (Frequency Modulation) Tone Generation with Initial Touch Control for subtle variations of musical expression.

● AUTO RHYTHM using PCM (Pulse Code Modulation) Tone Generation for realistic sounding percussion accompaniment.
● PIANO ABC that automatically provides "Piano and Bass" background accompaniments that were custom designed for each rhythm.
● ROM MUSIC (CVP-7, CVP-5) which provides the flexibility of playing complete performances or eliminating either the right hand or left hand parts for practice purposes.
● PERFORMANCE MEMORY (CVP-7, CVP-5) for real time recording and playback of performances.
● SEQUENCER MEMORY (CVP-7, CVP-5) allows independent recording and playback of Piano ABC and bass accompaniments.

In addition, there are: RAM MUSIC/CASSETTE CONTROL (CVP-7, CVP-5) for digital recording of performances in the RAM PACK or on cassette tape, MIDI terminals for communication with a computer (or other MIDI compatible instruments), and a variety of additional features just waiting to be enjoyed. Please refer to this manual as you experiment with each of the various functions on your new Clavinova.

Einleitung

Wir möchten uns an dieser Stelle recht herzlich für Ihren Kauf einer Yamaha Clavinova CVP-7, CVP-5 oder CVP-3 bedanken. Die Clavinova ist eine völlig neue Art von Tasteninstrument, möglich gemacht durch die hochentwickelte elektronische Technologie von Yamaha und unsere langjährige Erfahrung im Bau von Musikinstrumenten. Die wichtigsten Besonderheiten der Clavinova sind wie folgt:

● 76 Tasten in Normalgröße.
● 16 verschiedene Stimmen nach dem Prinzip des FM (Frequenz- Modulation)-Klangerzeugungssystems mit Initial Touch Control (anschlagsempfindliche Tastatur) für feinste Unterschiede im musikalischen Ausdruck.
● AUTO RHYTHM (automatische Rhythmusbegleitung) verwendet PCM (Pulse Code Modulation)-Klangerzeugung und ergibt somit realistische Perkussionsbegleitung..

● Die PIANO ABC-Funktion ermöglicht eine Reihe verschiedener automatischer "Klavier und Baß"-Begleitungen, die extra für die einzelnen Rhythmen geschaffen wurden.
● Mit ROM MUSIC (CVP-7, CVP-5) können ganze Stücke gespielt werden oder aber zu Übungszwecken der Teil für die linke oder rechte Hand ausgeschaltet werden.
● Der PERFORMANCE MEMORY (Spielspeicher) (CVP-7, CVP-5) ermöglicht die Echtzeit-Aufnahme und Wiedergabe von Aufführungen.
● SEQUENCER MEMORY (Sequenzer-Speicher) (CVP-7, CVP-5) ermöglicht die unabhängige Aufnahme und Wiedergabe von Piano ABC und Baßbegleitungen.

Zusätzlich bietet Ihre Clavinova RAM MUSIC/CASSETTE CONTROL (CVP-7, CVP-5) für die digitale Aufnahme von Aufführungen im RAM PACK oder auf Cassetten-Tonband, MIDI-Buchsen für den Datenaustausch mit einem Computer (oder anderen MIDI-kompatiblen Instrumenten) sowie eine ganze Reihe zusätzlicher Besonderheiten, die nur darauf warten, von Ihnen entdeckt zu werden.

Avant-propos

Avant tout, merci d'avoir porté votre choix sur le Clavinova CVP-7, CVP-5 ou CVP-3. Le Clavinova est un instrument à clavier entièrement nouveau, issu en ligne droite des grandes technologies Yamaha dans le domaine de l'instrumentation électronique et d'une longue expérience dans la fabrication des instruments de musique. Les caractéristiques principales de cet instrument sont les suivantes:

● 76 touches de format standard.
● 16 voix utilisant le principe d'émission tonale FM (modulation de fréquence) avec un toucher sensitif apportant de subtiles variations dans l'expression du sentiment musical.
● La fonction rythme automatique (AUTO RHYTHM) qui exploite le principe d'émission tonale PCM (Modulation par Impulsions Codées), procure un accompagnement de percussion très réaliste.
● La fonction PIANO ABC procure des accompagnements de fond au piano

et à la basse spécialement conçus pour chaque type de rythme.
● La fonction ROM MUSIC (CVP-7, CVP-5) offre à l'utilisateur une grande liberté dans la composition de performances entières ou pour éliminer la partie main gauche ou main droite, selon les besoins.
● La fonction PERFORMANCE MEMORY (CVP-7, CVP-5) permet l'enregistrement ou la reproduction de performances entières en temps réel.
● La fonction SEQUENCER MEMORY (CVP-7, CVP-5) permet un enregistrement et une reproduction séparés des accompagnements au piano et à la basse.

On relève également sur les modèles CVP-7 et CVP-5 une fonction RAM MUSIC/CASSETTE CONTROL qui permet l'enregistrement numérique de performances musicales dans un RAM PACK (RAM autonome) ou sur une bande cassette, des bornes d'interface MIDI qui permettent de communiquer avec un micro-ordinateur (ou avec tout autre instrument soutenant la compatibilité avec les normes MIDI) et toute une variété de fonctions additionnelles, telles que vous les découvrirez dans ce mode d'emploi.
En tout état de cause, reportez-vous à ce mode d'emploi au fil de votre apprentissage. Bonne chance!

Introducción

Muchas gracias por haber adquirido el Clavinova CVP-7, CVP-5, o CVP-3. El Clavinova es un tipo completamente nuevo de instrumento de teclado producto de la avanzada tecnología electrónica y la larga experiencia de Yamaha en la fabricación de instrumentos musicales. Sus principales características son:

● 76 teclas de tamaño estándar.
● 16 voces que emplean la generación de tonos de FM (modulación en frecuencia) con control de toque inicial para conseguir variaciones sutiles de expresión musical.
● Ritmo automático (AUTO RHYTHM) que emplea la generación de tonos de PCM (modulación por codificación de pulsos) a fin de ofrecer acompañamiento de percusión de sonido realista.
● Piano ABC (PIANO ABC) que proporciona automáticamente acompañamientos de fondo de "piano y bajo" especialmente diseñados para cada

ritmo.
● Memoria de lectura solamente musical (ROM MUSIC) (CVP-7 y CVP-5) que brinda flexibilidad para reproducir ejecuciones completas o eliminar las partes de la mano derecha o izquierda para fines prácticos.
● Memoria de ejecuciones (PERFORMANCE MEMORY) (CVP-7 y CVP-5) para ejecuciones de grabación y reproducción en tiempo real.
● Memoria del secuenciador (SEQUENCER MEMORY) (CVP-7 y CVP-5) que permite la grabación y reproducción independientes de acompañamientos de piano ABC y bajo.

Además hay: control de memoria de acceso aleatorio/casete musical (RAM MUSIC/CASSETTE CONTROL) (CVP-7 y CVP-5) para grabación digital de ejecuciones en la cápsula RAM o en un casete, terminales para interfaz digital para instrumentos musicales (MIDI) para comunicación con un ordenador (u otros instrumentos compatibles con MIDI), y gran variedad de funciones adicionales esperando simplemente a que usted las disfrute.
Consulte este manual a medida que experimente con cada una de las diversas funciones de su nuevo Clavinova.

Presentation

Vi hoppas att du accepterar vårt tack för att Du valde Yamahas Clavinova, modellen CVP-7, CVP-5 eller CVP-3. Tack vare Yamahas avancerade teknologi och långa erfarenhet som tillverkare av musikinstrument kan vi nu presentera denna Clavinova, en helt ny modell av klaviaturinstrument. De väsentligaste finesserna av detta musikinstrument är:

● 76 tangenter i standardstorlek.
● 16 stämmor som använder en FM-krets (frekvensmodulationskrets) med tongenerator och anslagskänslighet som utgångspunkt för hårfina variationer av musikens akustiska klang.
● RYTMAUTOMATIK som använder sig av PCM (pulskodmodulering) för att åstadkomma det realistiska slaginstrumentackompanjemanget.
● PIANO ABC som automatiskt framställer ett bakgrundsackompanjemang bestående av pianoackord och bastoner. Ackompanjemanget skräddarsys

för var och en av de befintliga rytmerna.
● Tack vare LÄSMINNET FÖR MUSIK (ROM MUSIC) (CVP-7, CVP-5) får Du just den flexibilitet Du behöver: Du kan automatiskt återge hela stycket eller utesluta partiet för höger eller vänster hand för att öva det.
● ARBETSMINNE (PERFORMANCE MEMORY) (CVP-7, CVP-5) tillåter registrering i minnet och uppspelning av realistisk musikåtergivning.
● SERIEMINNET FÖR ACKORD (SEQUENCER MEMORY) (CVP-7, CVP-5) tillåter individuell registrering i minnet och uppspelning av taktanpassat, automatiskt bakgrundsackompanjemang bestående av pianoackord- och bas—PIANO ABC—kombinerat med basackompanjemang.

När Du till dessa finesser lägger till: LÄS- OCH SKRIVMINNET FÖR MUSIK/KASSETTKONTROLLEN (RAM MUSIC/CASSETTE CONTROL) (CVP-7, CVP-5) avsett för digital registrering av framträdanden i RAM (läs- och skrivminne) eller på ett kassettband, det digitala anpassningsuttaget (MIDI) med in/utgångar för kommunikation med en dator (eller MIDI-an passade instrument) plus ett flertal andra, enastående egenskaper, har Du verkligen fått någonting att glädja Dig över.

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● The numbers in brackets indicate the pages in this manual where you will find an explanation of these parts and features.

● Die in Klammern angegebenen Zahlen beziehen sich auf die Seiten in dieser Bedienungsanleitung, auf denen Sie die Erklärung der betreffenden Teile und Funktionen finden.

● On trouvera de plus amp ces commandes et caracte les pages indiquées entre p

POWER (3)

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CVP-3

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TRANSPOSER (3)   STEREO SYMPHONIC (3)   POWER (3)

MASTER VOLUME (3)   VOICE SECTION (3)
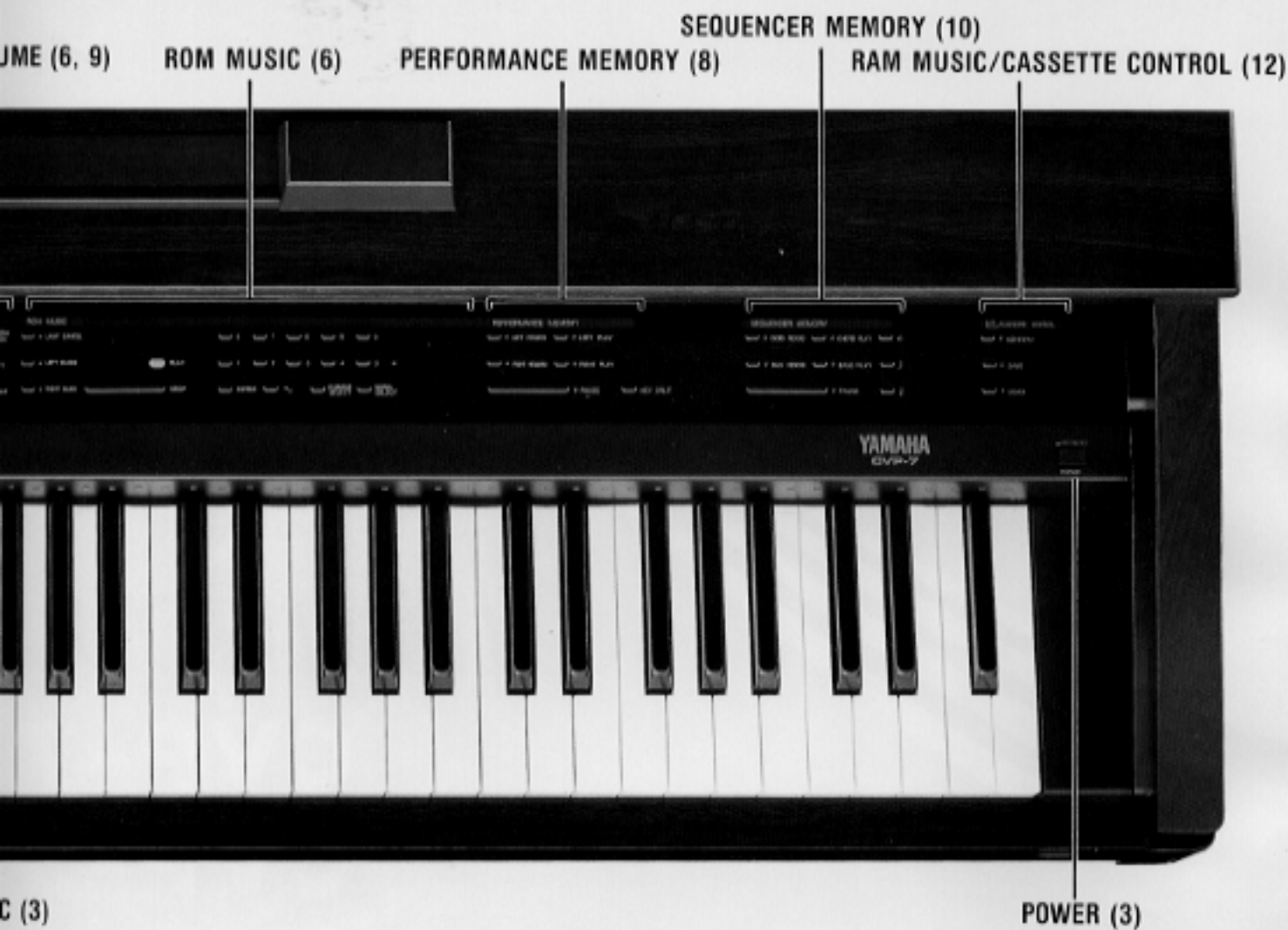
ples renseignements sur
téristiques en consultant
parenthèses.

● Los números entre corchetes indican las páginas de
este manual en las que encontrará las explicaciones
sobre estas partes y características.

● Siffrorna inom parenteserna hänvisar till de sidorna
i denna instruktionsbok, där du hittar förklaringarna
på delarna och deras funktioner.

[INSTALLATION]

1. Refer to your "Assembly instructions" to ensure correct assembly. The Clavinova leg assemblies were not designed to accommodate additional weight.
2. **WARNING:** Do not allow your Clavinova or its bench to rest on or be installed over power cords of any type. An electrical shock and/or fire hazard could possibly result from this type of improper installation.
3. **WARNING:** Do not place objects on your Clavinova power cord or place it in a position where anyone could trip over, walk on or roll anything over it. An improper installation of this type creates a personal injury/fire hazard possibility.
4. **Main Power Supply Verification:** Your Clavinova has been manufactured specifically for the main power supply voltages used in your area. If you should move, or if any doubt should exist, please consult your Yamaha Clavinova dealer for instructions.
   The main power supply voltage is printed on the name plate. The name plate of the CVP-7 is on the rear of the main body; the name plates of the CVP-5 and CVP-3 are on the back panels.
5. **Environment:** Your Clavinova should not be installed in a position that exposes the cabinet to direct sunlight or air currents having high humidity or heat levels. This type of installation can cause contact oxidation, case joint separation, and cabinet finish problems.
6. **Vinyl Products:** Do not set vinyl items, (i.e., headphones, vinyl doilies, etc.) on the finished surfaces of your Clavinova or use a polyvinyl material to cover the unit for any extended period of time. A chemical reaction may occur between the finish chemicals and those contained in the polyvinyl products resulting in a permanent marring of the finish.
7. **Key Cover (CVP-7):** The key cover was not designed to support decorative items nor to withstand substantial pressure. Do not permit anyone to sit, lean or climb on this assembly.
8. **Electromagnetic Interference (RFI):** Your Clavinova has been type tested and found to comply with all applicable regulations. However, if it is installed in the immediate proximity of other electronic devices, some form of interference may occur. (See page 14.)

[MAINTENANCE]

1. **SERVICE:** Your Clavinova contains no user serviceable components. Refer all service to qualified service technicians only.
2. **BENCH STRUCTURAL INTEGRITY:**
   If any motion or an "unsteady" sensation is noted in the bench, please check its structual integrity immediately. Discontinue use until any and all discrepancies are resolved. The bench was designed for seating only. No other applications are recommended.
   *In some areas, bench may be optional.
3. **POWER/PILOT LIGHT:** When not in use, always turn your Clavinova "OFF".
4. **CLEANING/CARE**
   A) GENERAL: DO NOT use chemically harsh (i.e., alcohol, paint thinner, etc.) or abrasive cleaners on any portion of your Clavinova.
   B) KEYS/CONTROL PANEL: When cleaning the keys and control panels of your Clavinova, please use a soft absorbent-type cloth that has been dampened with a very mild solution of liquid soap and lukewarm water.
   C) CABINET: Clean the cabinet portions of your Clavinova with a slightly dampened cloth containing a neutral cleaning agent. The cleaning agent selected should not contain a high wax content or any other substance that would have a tendency to form a "build-up" on the cabinet finish.

First of all, make sure that the plug is firmly inserted into the wall power outlet, then:

1. Turn the POWER on.
The power pilot lamp should light.

(CVP-7)

(CVP-5, CVP-3)
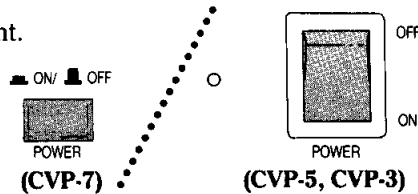
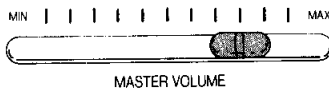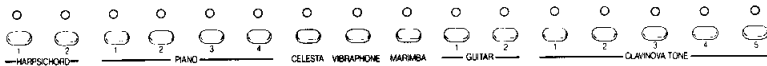## 2. Adjust the MASTER VOLUME control.

MIN | | | | | | | | | | MAX

MASTER VOLUME

This control determines the overall volume level of your Clavinova.

3. Select any desired voice.

HARPSICHORD | PIANO | CELESTA VIBRAPHONE MARIMBA | GUITAR | CLAVINOVA TONE

4. Start playing.
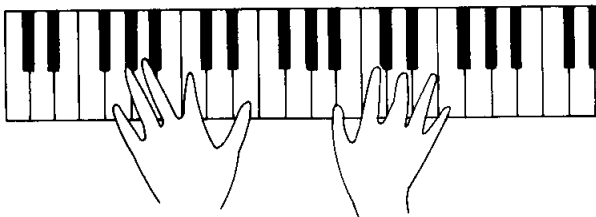
Experiment with the other voices to discover their versatility.

●Try the STEREO SYMPHONIC function.
STEREO SYMPHONIC produces an "electronic" animation that gives the impression that a large number of instruments are playing together.

STEREO SYMPHONIC

[Initial Touch Control]
Your Clavinova has the ability to respond to the touch you use while playing, making subtle variations in both tone and timbre possible. The amount of variation will differ from voice to voice.

[Damper Pedal]
Pressing the Damper Pedal (the one on the right) causes the sound to continue when the key is released, much like an acoustic piano. The further down the pedal is pressed, the longer the tone will linger.

[Soft Pedal]
Pressing the Soft Pedal (the one on the left) results in a softer, muted sound. The further down the pedal is pressed, the softer the sound.
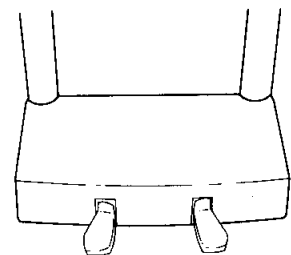
Soft Pedal   **Damper Pedal**

[TRANSPOSER]

6 5 4 3 2 1 0 1 2 3 4 5
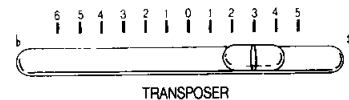
TRANSPOSER

This control transposes the key being played in half step increments. Zero position produces the normal key. Moving the control to the right raises the key and moving it to the left lowers the key.

[Keying Capabilities]
In the normal playing mode, a maximum of 16 notes can be played simultaneously. When using Piano ABC, ROM Music, Performance Memory, Sequencer Memory, etc., the maximum number will be reduced.

1. Select a rhythm pattern.

○ 16BEAT   ○ DISCO   ○ BOUNCE   ○ SAMBA   ○ LATIN   ○ TANGO   ○ JAZZ WALTZ   ○ SWING
○ 8BEAT   ○ ROCK'N ROLL   ○ SLOW ROCK   ○ BOSSA-NOVA   ○ COUNTRY   ○ MARCH/ POLKA   ○ WALTZ   ○ BALLAD

⊂⊃   ⊂⊃   ⊂⊃   ⊂⊃   ⊂⊃   ⊂⊃   ⊂⊃   ⊂⊃

Eight buttons are provided to permit the selection of sixteen different rhythms. Press the button directly below the rhythm desired. If the light to the left of your desired rhythm is not on, press that SAME button again.

2. Set the TEMPO and VOLUME controls.

Adjust the tempo (speed) of the rhythm with the TEMPO lever.
Adjust the volume of the rhythm with the VOLUME lever.

TEMPO
SLOW | | | | | | | | | FAST

VOLUME
MIN | | | | | | | | | MAX

3. Start the rhythm.

The rhythm will start as soon as the START button is pressed. When the SYNCHRO START button is on, the rhythm will start when a key in the low range (Eo-F#2) is struck or when the FILL IN is turned on.

⊂⊃ SYNCHRO START   ▓ START

4. Stop the rhythm.

The rhythm will stop when the STOP button is pressed.

▓▓▓▓▓ STOP

[4 BAR/8 BAR]

⊂⊃ ○ 4 BAR   ⊂⊃ ○ 8 BAR

A variation in the rhythm pattern will occur every fourth or eighth bar, depending on which switch is selected. The same switch used to turn the feature on, when pressed again, will turn the feature off.
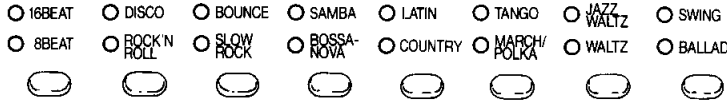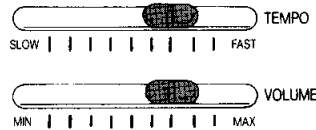
[FILL IN]

┌─ (Fill-in strip)

(CVP-7)
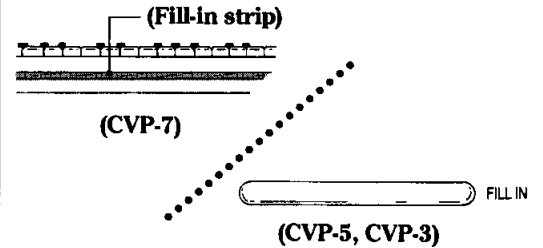
⊂────⊃ FILL IN
(CVP-5, CVP-3)

Pressing this bar, when a rhythm is playing, causes a fill-in pattern to be added to the end of that measure. When you want a fill-in pattern for two measures or more, continue holding the bar for each measure.

[HAND CLAP]

⊂⊃ ○ HAND CLAP 1   ⊂⊃ ○ HAND CLAP 2

Pressing one of these buttons adds the sound of hand clapping to the rhythm pattern. There are two patterns of hand claps, and both can be used at the same time.

[Tempo Lamps]

● ○ ○ ○
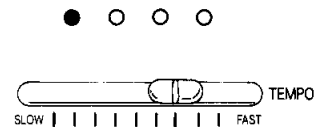
TEMPO
SLOW | | | | | | | | | FAST

These lamps light up successively from left to right to indicate the tempo of the selected rhythm. The extreme left red lamp indicates the first beat, or down beat, of a measure. When Synchro Start is used, the extreme left lamp will flash, indicating the exact tempo (in quarter notes) until the rhythm is started.

Automatically provides "chord and bass" background accompaniments that were custom designed for each rhythm.

1. Press the ON/OFF Button.
The lamp will light.

● ON/OFF

2. Adjust the Volume to your taste.
Note: CVP-7 has separate controls for Chord and Bass volumes.

VOLUME
MIN | | | | | | | | | MAX

3. Select a RHYTHM.

○ 16BEAT ○ DISCO ○ BOUNCE ○ SAMBA ○ LATIN ○ TANGO ○ JAZZ WALTZ ○ SWING

○ 8BEAT ○ ROCK'N ROLL ○ SLOW ROCK ○ BOSSA-NOVA ○ COUNTRY ○ MARCH/POLKA ○ WALTZ ○ BALLAD

SYNCHRO START

Select a rhythm pattern, set the TEMPO and VOLUME, and turn the SYNCHRO START on.

4. Play a chord with the left hand.
A chord and bass accompaniment matching the rhythm will play automatically, and will continue even when you take your fingers from the keyboard. The chord must be played in the range between the key on the extreme left and the F#2 key where the lamp is illuminated.
Note: A mark is provided on the CVP-3, instead of a lamp.

[PIANO ABC Voices]
*The upper section within the frame is the Chord voice and the lower section is the Bass voice.
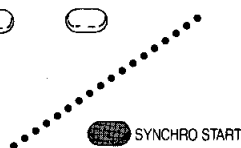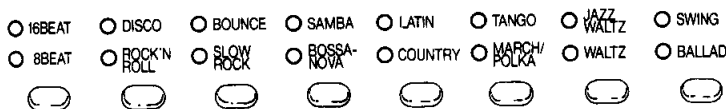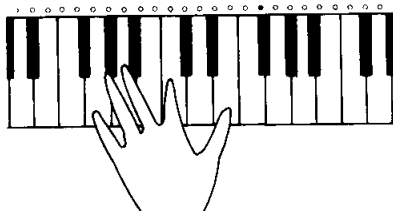*The figures ①, ② and ③ of CVP-7 correspond to Accompaniment 1. 2. 3. The ⓝ is the abbreviation for Normal and the ⓥ for Variation of CVP-5.

Rhythm	Voices	CVP-7	CVP-5	CVP-3	Voices	CVP-7	CVP-5	CVP-3	Voices	CVP-7	CVP-5	CVP-3
8 beat	A. Piano / E. Bass	①	ⓝ	○	A. Piano / E. Bass	②	ⓥ		E. Guitar 1 / E. Bass	③		
16 beat	A. Piano / E. Bass	①	ⓝ		E. Piano / E. Bass	②			E. Guitar 2 / E. Bass	③	ⓥ	○
Rock'n Roll	A. Piano / E. Bass	①	ⓝ	○	A. Piano / E. Bass	②	ⓥ		E. Guitar 1 / E. Bass	③		
Disco	A. Piano / E. Bass	①	ⓝ	○	E. Piano / E. Bass	②			E. Guitar 2 / E. Bass	③	ⓥ	
Slow Rock	A. Piano / E. Bass	①	ⓝ	○	A. Piano / E. Bass	②	ⓥ		E. Guitar 2 / E. Bass	③		
Bounce	A. Piano / E. Bass	①			Old Piano / Piano Bass	②	ⓝ	○	E. Piano / E. Bass	③	ⓥ	
Bossanova	A. Piano / E. Bass	①	ⓝ	○	E. Piano / E. Bass	②			G. Guitar / E. Bass	③	ⓥ	
Samba	A. Piano / E. Bass	①	ⓝ	○	E. Piano / E. Bass	②			E. Guitar 2 / E. Bass	③	ⓥ	
Country	Old Piano / Piano Bass	①	ⓝ		Old Piano / Piano Bass	②			Banjo / Wood Bass	③	ⓥ	○
Latin	A. Piano / E. Bass	①	ⓝ	○	A. Piano / E. Bass	②	ⓥ		E. Guitar 2 / E. Bass	③		
March/Polka	A. Piano / Wood Bass	①	ⓝ	○	Accordion / Wood Bass	②			Wood / Tuba	③	ⓥ	
Tango	A. Piano / Wood Bass	①	ⓝ	○	A. Piano / Wood Bass	②	ⓥ		Accordion / Wood Bass	③		
Waltz	A. Piano / E. Bass	①	ⓝ	○	A. Piano / E. Bass	②	ⓥ		E. Piano / E. Bass	③		
Jazz Waltz	A. Piano / Wood Bass	①	ⓝ		E. Piano / E. Bass	②			J. Guitar 2 / E. Bass	③	ⓥ	○
Ballad	A. Piano / Wood Bass	①	ⓝ	○	E. Piano / E. Bass	②	ⓥ		J. Guitar 1 / E. Bass	③		
Swing	A. Piano / Wood Bass	①	ⓝ	○	E. Piano / E. Bass	②			J. Guitar 2 / E. Bass	③	ⓥ	

A. = Accoustic   E. = Electric   G. = Gut   J. = Jazz

[Change the automatic accompaniment pattern]

○ ACCOMPANIMENT 3

○ ACCOMPANIMENT 2   ○ VARIATION

○ ACCOMPANIMENT 1

(CVP-7)   (CVP-5)
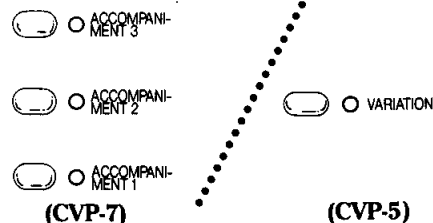
The CVP-7 has three ACCOMPANIMENT buttons for you to select from. The automatic accompaniment pattern of the CVP-5 can be changed by turning on the VARIATION button.

[STACCATO]
○ STACCATO

This feature will cause the notes making up the chord portion of the automatic accompaniment to decay more quickly, providing added definition.

[OCTAVE]
○ OCTAVE

Turning this button on while using PIANO ABC causes any note played above F#2 to be played not only in its original octave, but also one octave higher.

[CHORD CANCEL] (CVP-5, CVP-3 only)
○ CHORD CANCEL

This button cancels the chord portion of the PIANO ABC accompaniment, leaving only the bass.

[Additional Information]
● The CVP-7 has volume controls for both the chord and bass accompaniments. The chord accompaniment can be cancelled by moving its volume control to MIN.
● Always be sure that the AUTO RHYTHM is on when using PIANO ABC.
● The PIANO ABC patterns will change when Auto Rhythm FILL IN or 4 BAR/8 BAR is being used.
● The chords available in the PIANO ABC mode are the following: Major, 7th, maj7, minor, min7, min7(♭5), aug, aug7, 6th, 7(sus4), 7(♭5), major(♭5).
● The OCTAVE function is not effective for notes played above C#6.

5

ROM MUSIC
(CVP-7, CVP-5 only)

You can enjoy listening to automatic perform-
ances, or practice various parts while other parts
are being played automatically, and/or by watch-
ing the guide lamps.

[Automatic Performance]

1. Insert the ROM MUSIC BOOK into the socket.
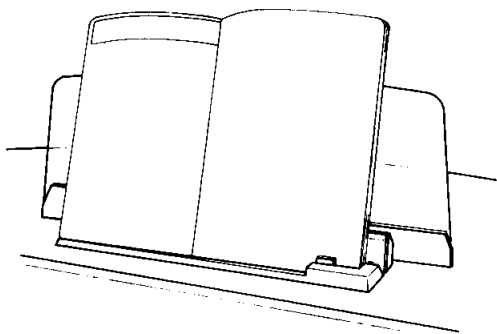
Insert the ROM chip (on the lower right corner of the final page of the ROM MUSIC BOOK) into the Clavinova socket.

2. Select a song for playback.

⊂⊃6 ⊂⊃7 ⊂⊃8 ⊂⊃9 ⊂⊃0

⊂⊃1 ⊂⊃2 ⊂⊃3 ⊂⊃4 ⊂⊃5 O

⊂⊃ ENTER ⊂⊃ ～ ⊂⊃ PHRASE SELECT ⊂⊃ SONG SELECT

Press the SONG SELECT button, then press the button corresponding to the number of the song you wish to play. For this example, let's select song No. 1.

3. Now press the ENTER button.
The guide lamps will flash quickly (mov-
ing from left to right) to show that the
selected song has been loaded from the
ROM MUSIC BOOK into your Clavinova.

⊂⊃ ENTER ⊂⊃ ～

4. Adjust the VOLUME controls for ORCHESTRA, LEFT and RIGHT.

ROM M. / P.M.   VOLUME

O ⊂════════⊃ ORCHESTRA P.M. BASS
MIN I I I I I I I I I MAX

O ⊂════════⊃ LEFT P.M. LEFT
MIN I I I I I I I I I MAX

O ⊂════════⊃ RIGHT P.M. RIGHT
MIN I I I I I I I I I MAX   (CVP-7)

5. Press the PLAY button.
After the intro count, the performance
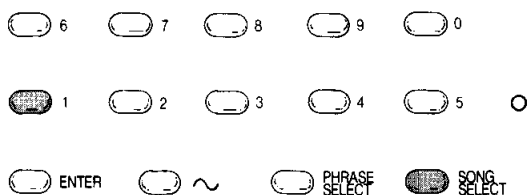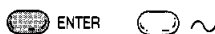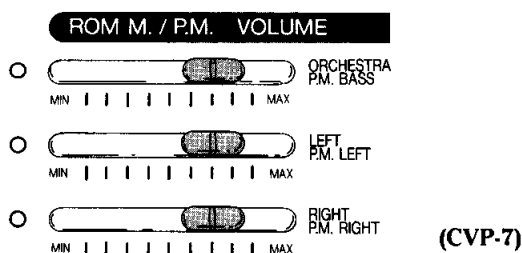will start. The guide lamps above the
keys will flash while the right and left
hand parts are being played automati-
cally, and will stop when the song ends.
To stop during playback, press the STOP
button.
Note: Playback is possible with simple
operation by merely selecting the song
number and pressing the PLAY button,
even without pressing the SONG SELECT
or ENTER buttons.

⊂⊃ PLAY

⊂════════⊃ STOP

[Selective Playback]
With the ROM MUSIC BOOK you can play back
three parts individually or in any combination:
ORCHESTRA, LEFT and RIGHT.
Left hand part: Moving the LEFT VOLUME con-
trol to MIN cancels this part, and only the left
hand Guide Lamps will flash. Play the left hand
part by following the Guide Lamps.
Right hand part: Moving the RIGHT VOLUME
control to MIN cancels this part, and only the
right hand Guide Lamps will flash. Play the right
hand part by following the Guide Lamps.
Orchestra part: Moving the ORCHESTRA
VOLUME control to MIN cancels all orchestra
parts and Guide Lamps. You will hear only the
left and right parts. Try playing a counter melody,
etc.

[Continuous playback]
To play one song continuously, press the num-
bered button corresponding to the song you
want to play, press the (～) button and then the
same numbered button again. You can also
repeat playback of more than one song. For ex-
ample, to repeat melodies 1, 2 and 3, press button
No. 1, the (～) button and then button No. 3.

[Additional Information]
● The speed of the playback can be adjusted by
  moving the TEMPO lever after playback has
  begun.
● The rhythm pattern can be varied during play-
  back by selecting another rhythm.

[Practice The Left Hand Part]

6. Press the LEFT GUIDE button.

● LEFT GUIDE

○ RIGHT GUIDE

7. Press the PLAY button.
The automatic performance will now play the intro and will then stop and wait for you. The Guide Lamps above the keys will flash to show you which notes to play with your left hand.

8. With your left hand, play the keys where the lamps flash.

The Guide Lamps will flash one beat ahead of the correct timing to enable you to anticipate the next note(s), resulting in a smoother performance. Practice with the left hand while watching the lamps. Playing those notes indicated by the lamps causes the Right and Orchestra parts to advance at the original tempo, until it reaches the next Left Hand part to be played.

[Practice The Right Hand Part]

9. Press the RIGHT GUIDE button.
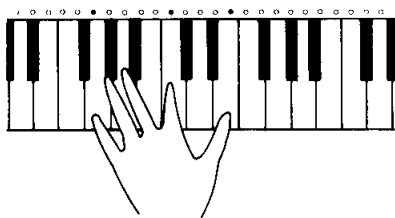
○ LEFT GUIDE

● RIGHT GUIDE

10. Press the PLAY button.
The automatic performance will now play the intro and will then stop and wait for you. The Guide Lamps above the keys will flash to show you which notes to play with your right hand.

11. With your right hand, play the keys where the lamps flash.
The Guide Lamps will flash one beat ahead of the correct timing to enable you to anticipate the next note(s), resulting in a smoother performance. Practice with the right hand while watching the lamps. Playing those notes indicated by the lamps causes the Left and Orchestra parts to advance at the original tempo, until it reaches the next Right Hand part to be played.

[Phrase Practice]
Individual phrases of a song can be played back for repeated practice. First, look at the music in your ROM MUSIC BOOK and find the song that contains the phrase you want to practice.

(1) **Press the SONG SELECT button, press the button corresponding to the song that contains the desired phrase.**
Now, press the ENTER button.
(2) **Press the PHRASE SELECT button.**

ENTER   ∿   PHRASE SELECT   SONG SELECT

(3) **Select the phrase you wish to practice.**

6   7   8   9   0

1   2   3   4   5

Press the appropriate number button for the phrase you want to practice. For example, press button (3) if you want to practice phrase (3). (Use buttons (1) and (0) for phrase (10); use buttons (1) and (2) for phrase (12).) If you wish to practice, for example, phrases (3) through (5), press button (3), the (∿) button, then press button (5).

(4) **Now press the PLAY button.**
The designated phrase will play back repeatedly. Now press the Left Guide or Right Guide button for individual part practice.

[LAMP CANCEL]
○ LAMP CANCEL

All Guide Lamps will be cancelled (OFF) when this button is pressed.

[Additional Information]
- **TRANSPOSER:** Changing the transposer setting does not cause the positions of the guide lamps to change.
- **KEYING CAPABILITIES:** When all three parts are being played back, no sound will be produced when the keys are played.
  When the Orchestra part is cancelled, a maximum of 8 notes can be played at any one time. When the Left or Right part is cancelled, a maximum of 4 notes can be played at any one time.
- **MEMORY:** When the PERFORMANCE MEMORY or SEQUENCER MEMORY is used, the data loaded into the Clavinova from the ROM MUSIC BOOK will be erased.
- ROM MUSIC data saved in the instrument will be kept in the memory for approximately one week, even with the power turned off.

7

PERFORMANCE MEMORY (CVP-7, CVP-5 only)

The Left, Right or a combination of both hands can be recorded and played back in "real time".

[Recording Left Hand Performances]

1. Press the LEFT RECORD button.

🔲 ● LEFT RECORD ⬜ ○ LEFT PLAY

⬜ ○ RIGHT RECORD ⬜ ○ RIGHT PLAY

This places your instrument in the recording standby mode and causes the extreme left tempo lamp (Auto Rhythm section) to start flashing.

2. Select an Auto Rhythm pattern and adjust the TEMPO, then press the START button.

This starts recording and provides a one measure intro count.

⬜ SYNCHRO START 🔲 START

3. Start playing with your left hand.

The sounds are recorded just as you play them. You can play with your left hand, or even with both hands if you wish. Initial Touch Control information, and any use of the Soft and/or Damper Pedals will also be recorded. If you strike the keys without pressing the Auto Rhythm START button, recording will start without the intro count.
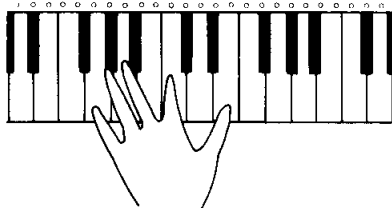
## 4. When you are finished playing, press the Auto Rhythm STOP button.

The rhythm and recording will both stop. Recording can also be stopped by turning off the appropriate RECORD button(s).

🔲 STOP

[Voices and Rhythms]
The voices and rhythms used during recording will also be stored in the Performance Memory. During the playback, they will automatically be recalled.

[KEY SPLIT]
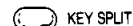
⬜ KEY SPLIT

This button is used to determine the position of the Key Split when you are performing "Using Key SPLIT With Left Record" or "Simultaneous recording of Left and Right Hand parts" described below:

[Using KEY SPLIT With Left Record]
When the KEY SPLIT button is pressed with only the LEFT RECORD button on, the right and left hand parts can be recorded with different voices. Notes played to the right of the Key Split Lamp will use the voices set on the panel; notes to the Key Split Lamp will use the bass voices obtained with PIANO ABC. Key Split can also be shifted as follows: C2→F#2→C3→Cancel→C2.

[Simultaneous recording of Left and Right Hand parts]
You can also record both right and left hand performances simultaneously by pressing both the LEFT RECORD and RIGHT RECORD buttons. In this case, notes to the left of the Key Split Lamp (normally F#2) will be recorded as left hand performance and those to the right of this lamp will be recorded as right hand performance. Each time the KEY SPLIT button is pressed, the Key Split will shift as follows: F#2→E3→A#3→E4 →F#2.

[Additional Information]
● When Left and Right are being recorded separately, it doesn't matter in' which order they are recorded.
● When recording the Left and Right parts separately, only 8 notes can be played at any one time.
● Recording will start immediately when the FILL IN switch is pressed. However, the FILL IN feature cannot be recorded.
● While recording either part, voice changes may be desirable. These changes will be played back as selected, however, they will not be indicated on the control panel. During playback, voice changes made manually will not affect the sounds being reproduced.
● When recording, changes in the rhythm pattern will also be memorized. All rhythm changes should be made while recording either the Left or the Right part. Otherwise, the desired results may not occur.

[Recording Right Hand Performances]

5. Press the RIGHT RECORD and LEFT PLAY buttons.

⬚ ○ LEFT RECORD   ▨ ● LEFT PLAY

▨ ● RIGHT RECORD   ⬚ ○ RIGHT PLAY
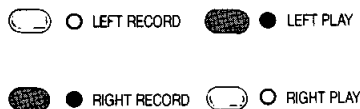
6. Press the Auto Rhythm START button.
This starts the recording and provides a one-measure flash of the Tempo Lamps before the rhythm starts.

7. Start playing with your right hand.
Start playing the right hand part while listening to the recorded left hand part. This results in a two-track multiple recording. You can also play throughout the entire range of the keyboard with both hands if you wish.

8. When you are finished playing, press the Auto Rhythm STOP button.

[Playback]

1. Press the LEFT PLAY and RIGHT PLAY buttons.

⬚ ○ LEFT RECORD   ▨ ● LEFT PLAY
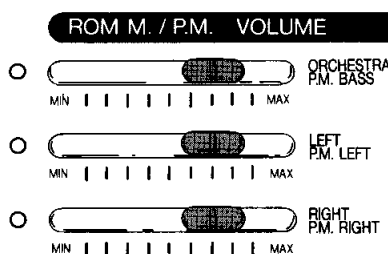
⬚ ○ RIGHT RECORD   ▨ ● RIGHT PLAY
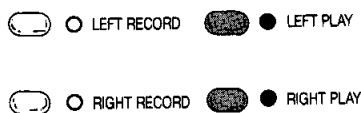
2. Press the Auto Rhythm START button.
The right and left hand parts will be played together with the rhythm. When playback is finished, it will stop automatically.
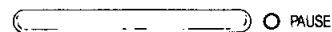
⬚ SYNCHRO START   ▨ START

3. Adjust the volume of each part.
The volumes of the Left hand part, Right hand part and Bass part can be individually adjusted, by using the controls indicated in the illustrations on the right. (Note: The Bass part can be controlled only when Key Split was used with Left Record.)

ROM M. / P.M.   VOLUME

○ ⬚▨) ORCHESTRA / P.M. BASS
MIN | | | | | | | | | MAX

○ ⬚▨) LEFT / P.M. LEFT
MIN | | | | | | | | | MAX

○ ⬚▨) RIGHT / P.M. RIGHT
MIN | | | | | | | | | MAX

[PAUSE]

⬚ ○ PAUSE

This feature, when used during either recording or playback, will temporarily stop that operation. This button, when pressed anytime during playback, will allow you to re-record the portion starting from that point, by merely pressing the appropriate RECORD button.
To release the PAUSE button, press it again, strike a key, or press the Auto Rhythm START or FILL IN button.

[Playback of Left or Right only]
Either part can be played back by selecting the appropriate PLAY button. In this case, the keys can produce up to 8 notes at any one time along with the playback.

[Additional Information]
* You cannot play along when both (Left and Right) parts are being played back.
* Recording is possible during the Intro Count Measure. Notes played during that time will be recorded, but, when played back, will be heard without rhythm.
* While recording either part, voice changes may be desirable. These changes will be played back as selected, however, they will not be indicated on the control panel. During playback, voice changes made manually will not affect the sounds being reproduced.
* When recording, changes in the rhythm pattern will also be memorized. All rhythm changes should be made while recording either the Left or the Right part. Otherwise, the desired results may not occur.
* The data recorded in the PERFORMANCE MEMORY is erased when the ROM MUSIC or SEQUENCER MEMORY is used. When erasure is not desirable, the data can be saved in either the RAM MUSIC or on a cassette tape. (Refer to page 12.)
* Performance Memory data stored in the instrument can be kept for approximately one week, even with the power off.
* Approximately 1,000 notes each can be recorded in both the Left and Right memories. Recording stops automatically when this capacity is reached. Using the Damper Pedal reduces the number of notes that can be saved.
* When the accessory RAM (2k bytes) is used, approximately 280 notes can be saved: when the optional RAM (8k bytes) is used, approximately 1,100 notes can be saved. (the right RECORD has priority.) Using the Damper Pedal reduces the number of notes that can be saved.

9

SEQUENCER MEMORY (CVP-7, CVP-5 only)

The feature is used to record chords (using PI-ANO ABC) and to record a bass accompaniment.

6

[Recording PIANO ABC Accompaniment]

1. Press the CHORD RECORD button.

● CHORD RECORD ◯ O CHORD PLAY

◯ O BASS RECORD ◯ O BASS PLAY

Chords and appropriate Bass notes can now be recorded. This button will automatically turn on the PIANO ABC feature.

2. While playing the first chord of the song, press the appropriate Duration button.
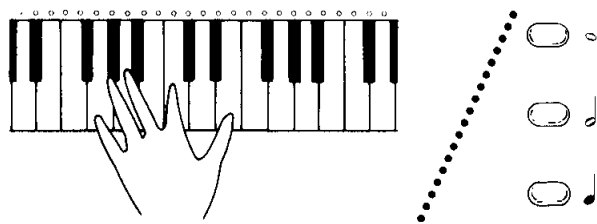
The chord played must be in the range to the left of F#2. The chord is memorized for 4 beats for (o), 2 beats for (♩) and one beat for (♪). The chord sounds when the Duration button is pressed, indicating that the chord is being memorized.

3. Record the chords in sequence.

Record the rest of the chords in the song in the same way.

[Now try changing the Bass Accompaniment to suit yourself]

4. Press the BASS RECORD and CHORD PLAY buttons.

◯ O CHORD RECORD ● CHORD PLAY

● BASS RECORD ◯ O BASS PLAY

You are now in a standby mode for bass recording.

5. Select an Auto Rhythm pattern and adjust the TEMPO. Then press the START button.

You are now ready for bass recording. A one measure intro count will be provided.

◯ SYNCHRO START ● START

[PAUSE]

◯ PAUSE

Recording or playback functions are stopped temporarily when this button is pressed. You can change from playback to recording at any point by pressing the PAUSE button and then turning the appropriate RECORD button on. This allows you to record any desired section from this point until the end of song. Pause can be released by pressing the PAUSE button again, by pressing any key, by pressing Auto Rhythm START or FILL IN button.

[Additional Information]
- If the Duration button is pressed without playing a chord with the left hand, that section will be memorized without a chord. In this case, you will hear a "soft bell" tone when the Duration button is pressed.
- When recording the whole notes of a waltz or jazz waltz, please press the quarter note and half note buttons.
- During BASS recording, the PIANO ABC Accompaniment (CVP-7) or Variation (CVP-5) is also memorized.
- Chords or bass can also be recorded or played back individually. However, if Bass Play is on, Chord Record becomes inoperative.
- With Sequencer Memory, the rhythm pattern and FILL-IN are not recorded in the memory.

6. Strike any key to start recording.
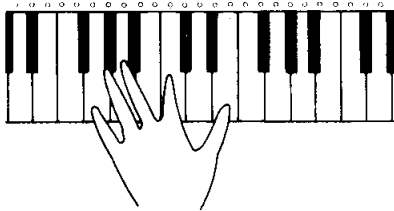
Try playing a bass pattern while listening to the chord accompaniment using PI-ANO ABC. The bass is recorded monophonically (only one note at a time), and the Auto Rhythm pattern is also memorized. When recording bass accompaniment, the entire keyboard range can be recorded; naturally, only the low range parts will sound like bass. Also, if a key is struck without pressing the Auto Rhythm START button, recording will start without the intro count.
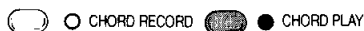
7. When you have finished recording, press the Auto Rhythm STOP button.

The rhythm and the recording process will then stop .

 STOP

[Playback]

1. Press the CHORD PLAY and BASS PLAY buttons.

○ CHORD RECORD ● CHORD PLAY

○ BASS RECORD ● BASS PLAY

2. Start the Auto Rhythm.

The Chord Accompaniment (using PI-ANO ABC) and the Bass accompaniment are both played back with the Rhythm. Now try playing the melody while listening to the recorded accompaniment. You will have continuous playback until you stop the rhythm. Press the Auto Rhythm STOP button whenever you wish to stop the playback. If CHORD PLAY is turned off during playback, the PIANO ABC mode will be automatically selected.

SYNCHRO START   START

[Additional Information]
- Bass recording can be started even when the FILL IN button is on.
- Some bass notes may not be recorded if a passage is technically difficult. Record it at a slower tempo. Playback can be performed at any speed.
- Recording is possible during the Intro Count Measure. Notes played during that time will be recorded, but will be heard without rhythm when played back.
- The data recorded in the SEQUENCER MEMORY will be erased when you use the ROM MUSIC or PERFORMANCE MEMORY. When erasure is not desirable, the data can be saved in either the RAM MUSIC or on a cassette tape.
- Sequencer Memory data recorded in the instrument can be kept for approximately one week, even with the power off.
- Approximately 1,000 chords or 2,000 bass notes each can be recorded. When this capacity has been reached, recording will stop automatically.
- When the accessory RAM (2k bytes) is used, approximately 400 chords or 400 bass notes can be saved; approximately 1,000 chords or 1,600 bass notes can be saved when the optional RAM (8k bytes) is used. (Chord recording has priority.)

11

RAM MUSIC/CASSETTE CONTROL
(CVP-7, CVP-5 only)

Data recorded in the PERFORMANCE MEMORY or SEQUENCER MEMORY can be transferred to and from either the RAM MUSIC NOTEBOOK or a cassette tape.
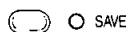
[Saving and Loading Using the RAM MUSIC NOTEBOOK]

1. Insert the RAM MUSIC NOTEBOOK into the Clavinova socket.

When inserting a RAM MUSIC NOTE-BOOK into the socket on Clavinova, first check the alignment and gently slide it into position at the right angle. When removing it, be sure not to apply any unreasonable force, and slide it out at the right angle.
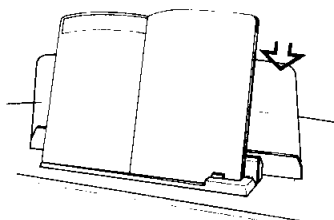
2. To transfer data from the Clavinova to the RAM MUSIC NOTEBOOK, press the SAVE button.

The Clavinova will now transfer the data in the PERFORMANCE MEMORY or SEQUENCER MEMORY into the RAM MUSIC NOTEBOOK. The lamp will go out when the transfer is completed.
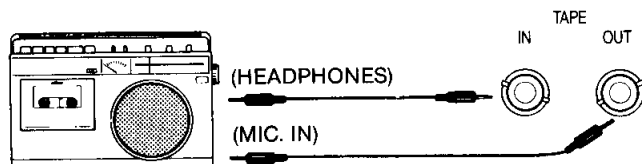
○ CONFIRM

● SAVE

○ LOAD

3. To transfer data from the RAM MUSIC NOTEBOOK to the Clavinova, press the LOAD button.

The data saved in the RAM MUSIC NOTE BOOK will now be loaded into the Clavinova. The lamp will go out when the loading is completed.

○ CONFIRM

○ SAVE

● LOAD

[Saving and Loading Using Cassette Tape]

1. Connect a cassette tape recorder to the Clavinova.

TAPE
IN   OUT

(HEADPHONES)

(MIC. IN)

Connect the MIC.IN jack of the tape recorder to the TAPE OUT jack of the Clavinova; and connect the HEADPHONE jack of the cassette to the TAPE IN jack of the Clavinova. When using a stereo tape recorder, set the Balance control to L (Left).

2. To transfer data from the Clavinova to a cassette, place the cassette in the RECORD mode and press the SAVE button.

The data memorized in the Clavinova will now be saved on the cassette tape. The SAVE button lamp will go out when the transfer is completed. Stop the tape recorder. If your recorder has a counter, you may wish to note the starting and ending numbers to facilitate later use.

3. To transfer data from the cassette to the Clavinova, place the cassette in the PLAY mode and press the LOAD button.

The data saved on the cassette tape will be transferred into the Clavinova. The LOAD button lamp will go out when the transfer is completed. You can now stop the tape recorder.

[Error Display]

The SAVE or LOAD lamp will flash if either operation is not carried out correctly, if there is no data, or if the volume level of the cassette is too high or too low. In either case, repeat the transfer (SAVE or LOAD) operation.

[CONFIRM]

● CONFIRM

○ SAVE

○ LOAD

Pressing this button enables you to confirm whether or not data has been properly saved in the RAM MUSIC NOTEBOOK or on cassette tape.

When using the RAM MUSIC NOTEBOOK, press the CONFIRM button after the save operation has been completed. When using a cassette tape, press this button after rewinding the tape and starting the tape playing.

When the save was performed correctly, the CONFIRM lamp will illuminate for the time required to complete tape save. When the save was not performed correctly, the CONFIRM lamp will flash before that time. The CONFIRM lamp will also stay lit when there is no data, or when the level is either too high or too low.

[Additional Information]

● When saving or loading by using both the RAM MUSIC NOTEBOOK and a cassette tape, the RAM MUSIC NOTEBOOK will have priority.

● The time required to save or load data with a cassette tape varies depending on the amount of data, but the maximum time required is approximately 80 seconds.

● Loading data into the Clavinova erases any previously stored data in the Clavinova. Saving data in the RAM MUSIC NOTEBOOK also erases any data previously stored in it.

● The SAVE lamp will flash if you try to transfer too much data into the RAM MUSIC NOTE BOOK. All data up to that point, however, will be recorded.

● Note: When saving data stored in the Performance Memory, only very short melodies can be saved because the capacity of the accessory RAM (2k bytes) is small.

● The CVP-7 and CVP-5 programs are interchangeable so CVP-5 data that has been saved in a cassette or RAM can be loaded into the CVP-7 and played back (and vice versa). When CVP-7 Sequencer Memory data is loaded into the CVP-5, however, the Piano ABC sound may not be heard in some cases. In this case, please press the Piano ABC Variation button.

(The illustration shows the CVP-5/CVP-3)

# [ACCESSORY JACKS]

● **HEADPHONES jack**

HEADPHONES

This jack is used for connecting a pair of stereo headphones (optional). When the headphones are connected, no sound will be produced from the Clavinova's speakers. This allows you the freedom to enjoy playing your instrument at any time without disturbing others. You can also use this jack for connecting monaural headphones.

● **AUX. OUT L-R jacks**

AUX.OUT
R   L
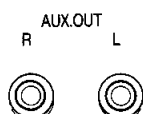
These jacks can be used to connect your Clavinova to an amplifier or another speaker system. Also, by connecting the Clavinova to the LINE IN jacks of a tape deck, you can record music produced by the Clavinova.

● **TAPE IN-OUT jacks**
(CVP-7, CVP-5 only)
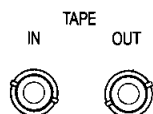
TAPE
IN   OUT

These jacks are used when transferring (saving or loading) data to or from the PERFORMANCE MEMORY or SEQUENCER MEMORY using cassette tape. Please use a tape recorder that satisfies the following specifications:
MIC.IN: Input impedance of 10k ohms or more
         Minimum input level of approx. 10mV
HEADPHONES: Output impedance of 10 ohms or less
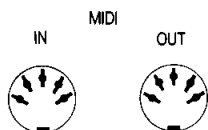   Output level of 2.0V or more

● **DAMPER/SOFT jacks**

DAMPER   SOFT
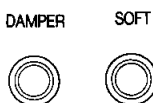
These jacks are used to connect the Damper Pedal and Soft Pedal. (Please refer to your Assembly Procedures manual.)

● **PITCH Control**

PITCH

Minor adjustments in the pitch of your Clavinova can be made by adjusting this control with a small Phillips screwdriver.

● **MIDI IN-OUT Connectors**

MIDI
IN   OUT

The MIDI (Musical Instrument Digital Interface) terminals conform to the MIDI standard for digital electronic instruments. These jacks enable you to connect your Clavinova to a computer or other MIDI compatible electronic instruments for data communication.

[OPTIONAL ITEMS]

● **ROM MUSIC BOOK**
A ROM MUSIC BOOK is included with your Clavinova. Contact your Yamaha Clavinova dealer for information relating to additional ROM MUSIC BOOKs available.

● **RAM MUSIC NOTEBOOK**
An optional RAM MUSIC NOTEBOOK is available with a memory capacity of 8k bytes. (The RAM included with your Clavinova has a memory capacity of 2k bytes.)

[IMPORTANT ADVICE]

What to do if.....
1) **The unit is not activated when the power is turned on.**
   Check the following:
   Is the AC plug fully connected to a wall power outlet? Check it again to make sure. Is power supplied from the outlet? If the outlet is live, but the Clavinova does not work, unplug the cord and contact your Yamaha Clavinova dealer.
2) **The Clavinova reproduces radio or TV signals.**
   This can occur if there is a powerful transmitter such as a radio station located in your vicinity. Contact your Yamaha Clavinova dealer.
3) **Occasional unpleasant static occurs.**
   In the majority of such cases, the cause can be traced to the turning on or off of some household appliance. Please read "ELECTROMAGNETIC INTERFERENCE" (page 14), for additional information.
4) **The Clavinova interferes with radio or TV reception.**
   The high frequency pulses used by the Clavinova may adversely affect TV or radio reception. Please read "FCC CERTIFICATION" (page 14) for additional information.
5) **The sound of the Clavinova is distorted when connected to an auxiliary speaker system.**
   When connected to an aux. speaker system, (home stereo, guitar amplifier, etc.) distortion may occur when the keys are played forcefully while either the volume of the Clavinova or its auxiliary system is too high. In addition, damage to the speakers could result. Please turn the volume down to a level where no distortion occurs.

[ELECTROMAGNETIC INTERFERENCE]

"Interference" can be a two way street; something you are operating can interfere with others or, something someone else has may interfere with something of yours. Naturally, it is also possible that two or more of your own electronic (electric) devices may interfere with each other. Your Clavinova has been designed to minimize all three possibilities and meets all applicable standards worldwide.

Electromagnetic interference with your Clavinova can show itself in a variety of ways. You may hear speech, music, "beeps", static, or buzzing noises. Yamaha Clavinova are designed to reject RF (radio frequency) signals that are many times the levels found in any normal environment. If, however, you are in the immediate proximity of a very high power transmitter, some interference may still occur.

If this should happen, please try to identify the radio (TV) station and record the time of day that the interference occurs. Station identification is essential in order that the offending frequencies can be established and the authorized (legal) operating power level of the transmitter causing the interference can be verified. If the interference continues, please follow the corrective measure suggestions provided later in this section.

If the interference is in the form of occasional buzzing or static, it is highly probable that the cause can be traced to the turning on or off of some household appliance. The offending appliance can also be outside your own residence. Usually a 'time" pattern (i.e., evenings only, etc.) will be involved. Noises of this type rarely originate in the Clavinova itself. If the condition continues, please contact your local authorized Yamaha Clavinova dealer for assistance.

Main power line disturbances and electrical storms (lightning) can also be the source of static interference. Generally speaking, problems generated by these two sources will also be present in your other audio or video equipment. Lightning can also be very destructive. The following special warning also applies to virtually all electronic products.

IMPORTANT NOTICE: Modern electronic products, (i.e., computers, video games, electronic organs, etc.), contain components that, under normal conditions, extend the service free life of the products they make up by an almost unbelievable period of time. This is especially true when you consider the vast number of equivalent components incorporated within one given part. These "parts", called "integrated circuits," are however, subject to destruction by high voltage discharges, such as a close proximity lightning strike. This can occur even if the unit is turned off. IN PERIODS OF ELECTRICAL STORM PROBABILITY, IT IS ADVISABLE THAT YOU DISCONNECT ANY ELECTRONIC DEVICE NOT ACTUALLY IN USE, FROM ITS WALL SOCKET.

[FCC CERTIFICATION (USA)]

While the following statements are provided to comply with FCC Regulations in the United States, the corrective measures listed are applicable worldwide.

The digital series of Yamaha Clavinova use frequencies that appear in the radio frequency range, and if installed in the immediate proximity of some types of audio or video devices within three meters (approximately ten feet), interference may occur.

This series of Yamaha Clavinova has been type-tested and found to comply with the specifications set for a class B computer in accordance with those specifications listed in sub-part J, part 15 of the FCC rules. These rules are designed to provide a reasonable measure of protection against such interference. However, this does not guarantee that interference will not occur.

If your Clavinova should be suspected of causing interference with other electronic devices, verification can be made by turning your Clavinova off and on. If the interference continues when your Clavinova is off, the Clavinova is not the source of the interference. If your Clavinova does appear to be the source of the interference, you should try to correct the situation by using one or more of the following measures:

● Relocate either the Clavinova or the electronic device that is being affected by the interference.

● Utilize power outlets for the Clavinova and the device being affected that are on different branch (circuit breaker or fuse) circuits, or install a/c line filters.

● In the case of radio-TV interference, relocate the antenna or, if the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact an authorized Yamaha Clavinova dealer for suggestions and/or corrective measures. If you can not locate an authorized Yamaha Clavinova dealer in your general area, please contact the Clavinova Service Department, Yamaha International, 6600 Orangethorpe Ave., Buena Park, CA 90620, U.S.A.

If for any reason, you should need additional information relating to radio or TV interference, you may find a booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet, Stock #004-000-00345-4, is available from the U.S. Government Printing Office, Washington D.C. 20402.

## The MIDI Function of Clavinova CVP-7, CVP-5, CVP-3

What MIDI can do:
● Transmission/recognition of key on/off data.
● Transmission/recognition of panel voice numbers.
● Transmission of MIDI timing clock.

Clavinova Connection With Other MIDI Instruments

In the following section, you will see how you can actually connect you Clavinova with other MIDI instruments.

A) Playing the PS-6100 With the Clavinova
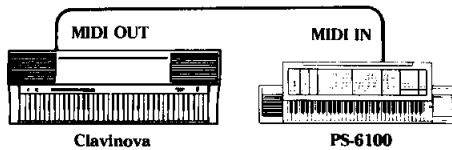

Clavinova   PS-6100

When you play your Clavinova connected as shown in the diagram above, the PS-6100 automatically plays in unison with the Clavinova. By using the Piano Voice of the Clavinova and the Strings Voice of the PS-6100 at the same time,for example,you can produce a piano concerto effect all by yourself. The voices of both instruments can be used in a variety of combinations for real two-instrument ensemble playing.
You can also connect the MIDI OUT terminal of the PS-6100 to the MIDI IN terminal of the Clavinova and play from the PS-6100 console.
In addition, by making full use of the Clavinova Performance Memory and the PS-6100 Music Programmer, you can playback a total of six parts with rhythm accompaniment.
DX7 can also be connected instead of a PS-6100 to produce these same effects.

B) Playing the RX15 Drum Machine and the Clavinova Synchronously
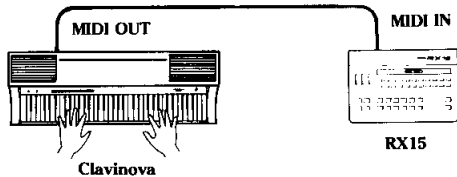
Clavinova   RX15

In the above MIDI connection, the MIDI clock of the Clavinova is transmitted to the RX15. This synchronizes the rhythms of both instruments for more spectacular rhythm parts.
You can also pre-record the rhythm part of a song in the RX15 and play it back together with the Clavinova rhythm.

C) Playing the Clavinova With a Computer

Clavinova   Computer
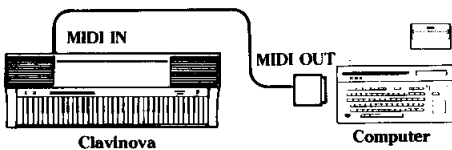
You can get further pleasure from your Clavinova by playing it with a personal computer instead of playing the keys yourself. Whether you use a music software package or program your own software, the Clavinova can be played automatically. In this case, the voices can be freely selected at the panel to match the mood of the melody.

Controlling the MIDI Function

A) With the Power on
● **The clock is an internal clock.**
● **The receiving channels are not set. Any channel can be used (with OMNI ON).**
● **Program Change (voice number) is set.**

B) Switching the clock
● **Switch to the MIDI CLOCK.**
  1) Stop the AUTO RHYTHM.
  2) Set the TRANSPOSER to the left side (♭ 6).
  3) While pressing the FILL IN switch, turn the STEREO SYMPHONIC on.

● **Switch back to the INTERNAL CLOCK.**
  1) Stop the AUTO RHYTHM.
  2) Set the TRANSPOSER to the left side (♭ 6).
  3) While pressing the FILL IN switch, turn the STEREO SYMPHONIC off.

Clavinova (Master) Clock Mode	Slave Clock Mode	Rhythm ON/OFF Data	Rhythm Playback	Rhythm Synchro- nization
INTERNAL	INTERNAL	Sent	Both	No sync
MIDI	INTERNAL	Sent	Slave only	No sync
INTERNAL	MIDI	Sent	Both	Synched
MIDI	MIDI	Not sent	Neither	No sync

C) Set the receiving channel number
  1) Stop the AUTO RHYTHM.
  2) Set the TRANSPOSER to the left side (♭ 6).
  3) While pressing the FILL IN switch, press the Voice Select Button.

D) Setting and Releasing Program Change
● **Release**
  1) Stop the AUTO RHYTHM.
  2) Set the TRANSPOSER to the left side (♭ 6).
  3) While pressing the FILL IN switch, turn the STACCATO on.

● **Resetting**
  1) Stop the AUTO RHYTHM.
  2) Set the TRANSPOSER to the left side (♭ 6).
  3) While pressing the FILL IN switch, turn the STACCATO off.

IMPORTANT NOTICE: MIDI instruments and equipments have slightly differing specifications. Refer to the respective MIDI Implementation Charts to determine what is and what is not possible. The MIDI Implementation Chart for your Clavinova is on the final page of this manual.

Specifications
Technische Daten
Specifications
Especificaciones
Tekniska Data

	CVP-7	CVP-5	CVP-3
KEYBOARD	76 KEYS ($E_0 \sim G_6$)		
VOICE SELECTORS	HARPSICHORD 1•2, PIANO 1•2•3•4, CELESTA, VIBRAPHONE, MARIMBA, GUITAR 1•2, CLAVINOVA TONE 1•2•3•4•5		
EFFECT	STEREO SYMPHONIC		
AUTO RHYTHM	8 BEAT, 16BEAT, ROCK'N ROLL, DISCO, SLOW ROCK, BOUNCE, BOSSANOVA, SAMBA, COUNTRY, LATIN, MARCH/POLKA, TANGO, WALTZ, JAZZ WALTZ, BALLAD, SWING, HAND CLAP 1•2, 4BAR•8BAR, START, SYNCHRO START, STOP, BEAT LAMPS, TEMPO, VOLUME, FILL IN Strip (CVP-7), FILL IN (CVP-5•CVP-3)		
PIANO ABC	ON/OFF, STACCATO, OCTAVE		
	CHORD VOLUME, BASS VOLUME, ACCOMPANIMENT 1•2•3	VOLUME, CHORD CANCEL, VARIATION	VOLUME, CHORD CANCEL
ROM MUSIC	ORCHESTRA VOLUME, LEFT VOLUME, RIGHT VOLUME, LAMP CANCEL, LEFT GUIDE, RIGHT GUIDE, PLAY, STOP, 1•2•3•4•5•6•7•8•9•0, ENTER, ~ , PHRASE SELECT, SONG SELECT, ROM MUSIC BOOK SOCKET		
PERFORMANCE MEMORY	LEFT RECORD, RIGHT RECORD, LEFT PLAY, RIGHT PLAY, PAUSE, KEY SPLIT, (CVP-7 : BASS VOLUME, LEFT VOLUME, RIGHT VOLUME)		
SEQUENCER MEMORY	CHORD RECORD, BASS RECORD, CHORD PLAY, BASS PLAY, PAUSE, ◦, ♩, ♩		
RAM MUSIC & CASSETTE CONTROL	LOAD, SAVE, CONFIRM		
OTHER CONTROLS	MASTER VOLUME, TRANSPOSER (ONE OCTAVE), PITCH, POWER SWITCH, POWER-ON LIGHT, DAMPER PEDAL, SOFT PEDAL		
JACKS•CONNECTORS	STEREO HEADPHONE, AUX•OUT L-R, TAPE IN-OUT (CVP-7•CVP-5), DAMPER, SOFT, MIDI IN-OUT		
MAIN AMPLIFIERS	30W×2	5W×2	
SPEAKERS	18cm(7")×2, 3cm(1¼")×2	16cm(6¼")×2	
CIRCUITRY	Solid State (incl. LSIs and ICs), Power Source: 50/60Hz AC, Power Consumption: See the nameplate		
DIMENSIONS	Width: 125cm (49¼") Depth: 64cm (25¼") Height: 81cm (32")	Width: 116cm (45¾") Depth: 42cm (16½") Height: 76cm (30")	
WEIGHT	67.5kg (148.5 lbs.)	45.5kg (100.1 lbs.)	44.5kg (97.9 lbs.)
FINISH	Black Rosewood Grain	Black Metallic, Rosewood Grain	
ACCESSORY ITEM	ROM MUSIC BOOK, RAM MUSIC NOTEBOOK		

Clavinova CVP-7/CVP-5/CVP-3
MIDI Implementation Chart

Date: 8/23, 1984
Version: 1.0

Function ···		Transmitted	Recognized	Remarks
Basic Channel	Default	1 Channel	1 Channel	
	Changes	×	1 ~ 16	
Mode	Default	Mode 3	Mode 1	
	Messages	×	Poly / Mono	
	Altered	*************	×	
Note Number		28 ~ 103 ($E_0 \sim G_6$)	19 ~ 103 ($G_{-1} \sim G_6$)	
	True Voice	*************	19 ~ 103 ($G_{-1} \sim G_6$)	
Velocity	Note ON	○ 90H, v = 1 ~ 127	○ v = 1 ~ 127	
	Note OFF	× 90H, v = 0	×	
After Touch	Key's	×	×	
	Ch's	×	×	
Pitch Bender		×	×	
Control Change	64	○	○	Damper Pedal
	67	○	○	Soft Pedal
Program Change		○ 0 ~ 15	○ 0 ~ 127	
	True #	*************	0 ~ 15	
System Exclusive		×	×	
System Common	Song Pos	×	×	
	Song Sel	×	×	
	Tune	×	×	
System Real Time	Clock	○	○	
	Commands	○	○	
Aux Messages	Local ON/OFF	×	○	
	All Notes OFF	×	○ (122 ~ 127)	
	Active Sense	○	○	
	Reset	×	○	
Notes				

Mode 1: OMNI ON, POLY   Mode 2: OMNI ON, MONO   ○: Yes
Mode 3: OMNI OFF, POLY   Mode 4: OMNI OFF, MONO   ×: No