YAMAHA

DISK ORCHESTRA MODULE
DOM-30

Owner's Manual
Bedienungsanleitung
Manuel d'instructions
Manual del Propietario

FOR USE WITH CLAVINOVA
POUR ETRE EMPLOYÉ AVEC CLAVINOVA

Congratulations!

Your DOM-30 is a high-performance MIDI Disk Orchestra Module that can be used in conjunction with a Yamaha Clavinova to play back a range of pre-programmed Yamaha music software such as Disk Orchestra Collection disks and some Disklavier disks (PianoSoft).*
The DOM-30 is an excellent keyboard practice aid since it allows you to cancel playback of specific parts so you can play them on the keyboard yourself, accompanied by the rest of the orchestra.
The DOM-30 is also a sophisticated disk recorder, allowing you to record your own music software. You can independently record up to ten separate parts of a single musical composition — plus a rhythm track. You can enjoy recording and playing back simple one-voice performances, or take advantage of the DOM-30's internal 100-voice tone generator and create complex multi-track compositions that use a number of different voices.

With 100 voices and rhythm sounds, the DOM-30 is also an excellent tone generator system for use with a sequencer or MIDI-compatible music computer.
In order to make the most of the many features and fine performance provided by your DOM-30, we urge you to read this owner's guide thoroughly while trying out the features and functions described. Keep the owner's manual in a safe place for later reference.

* The DOM-30 will play the following disks:
- All Yamaha Disk Orchestra Collection disks.
- Some Yamaha Disklavier disks (PianoSoft) — refer to the Yamaha Disk Orchestra Collection catalogue for details.
- Disks recorded on the DOM-30.
- Piano solo disks recorded on a Yamaha DRC-20 Disk Recorder.

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TAKING CARE OF YOUR DOM-30

— Prevent Damage and Keep Your DOM-30 in Perfect Condition —

Your DOM-30 is a precision musical device, and deserves the most careful treatment. Observe the following points and your DOM-30 will perform flawlessly for many years.

1. Never open the case and touch or tamper with the internal circuitry.

2. Always turn the POWER switch OFF after use, and unplug the AC adapter unit from the AC mains outlet.

3. Clean the unit only with a clean, slightly damp cloth. A neutral cleanser may be used if desired. Never use abrasive cleansers, waxes, solvents or chemical dust cloths since these can dull or damage the finish.

4. Use your DOM-30 in a place that is away from direct sunlight, excessive humidity or heat, dust, or strong vibration.

5. Never apply excessive force to the controls, connectors or other parts of your DOM-30, and avoid scratching or bumping it with hard objects.

6. Never spill water, beverages or other liquids on the unit or floppy disks it uses.

7. The DOM-30 contains digital circuitry and may cause interference if placed too close to radio receivers, television sets or similar radio-frequency reception equipment. If such a problem occurs, move the DOM-30 further away from the affected equipment.

8. **IMPORTANT!:** Check your power supply!
   The DOM-30 should be powered from a Yamaha PA-4/PA-40 or PA-5 AC Adapter. Attempting to use other power supplies could result in serious damage to the DOM-30.
   Make sure that your local AC mains voltage matches the voltage specified on your AC adapter. In some areas a voltage selector may be provided on the AC adapter unit. Make sure that the voltage selector is set for the voltage in your area.

VOICE LIST

00 PIANO 1	10 BAMBOO MARIMBA	20 PIPE ORGAN	30 SITAR	40 SYNTH BASS 1	50 SYNTH STRINGS 1	60 SYNTH BRASS 3	70 ACCORDION	80 CHOIR	90 HAMMER SHOT
01 PIANO 2	11 KALIMBA	21 FOLK GUITAR	31 HARP	41 SYNTH BASS 2	51 SYNTH STRINGS 2	61 SAX	71 SYNTH 1	81 SYNTH VOX 1	91 INVADER
02 HONKY TONK PIANO	12 VIBES	22 12 STR GUITAR	32 KOTO	42 SYNTH BASS 3	52 ORCHESTRA HIT	62 CLARINET	72 SYNTH 2	82 SYNTH VOX 2	92 SHOCK ALARM
03 E PIANO 1	13 MUSIC BOX	23 ACOU. GUITAR	33 HARPSICHORD 1	43 UPRIGHT BASS 1	53 TRUMPET/TROMBONE	63 RECORDER	73 SYNTH 3	83 OW	93 WATER DROP
04 E PIANO 2	14 SYNTH CRYSTAL	24 JAZZ GUITAR	34 HARPSICHORD 2	44 UPRIGHT BASS 2	54 MUTE TRUMPET	64 FLUTE	74 SYNTH 4	84 AQUA	94 EMERGENCY
05 E PIANO 3	15 CLAVI	25 ROCK GUITAR 1	35 HARPSICHORD 3	45 UPRIGHT BASS 3	55 HORN	65 PAN FLUTE	75 SYNTH 5	85 LANDSCAPE	95 ZING
06 E PIANO 4	16 SYNTH CLAVI	26 ROCK GUITAR 2	36 E BASS 1	46 VIOLIN CELLO	56 BRASS 1	66 OBOE	76 DRUMS	86 ICE BLOCK	96 RACING CIRCUIT
07 SYNTH PIANO	17 JAZZ ORGAN 1	27 DISTORTION GUITAR	37 E BASS 2	47 PIZZICATO	57 BRASS 2	67 BASSOON	77 TIMPANI STEEL DR	87 CRYSTAL BLOCK	97 SCRAPE
08 CELESTA	18 JAZZ ORGAN 2	28 MUTE GUITAR	38 E BASS 3	48 STRINGS 1	58 SYNTH BRASS 1	68 BAGPIPE	78 AFRICAN PERCUS	88 SAMBA WHISTLE	98 CONSTRUCTION
09 MARIMBA	19 ROCK ORGAN	29 BANJO	39 SLAP BASS	49 STRINGS 2	59 SYNTH BRASS 2	69 HARMONICA	79 GAMELAN	89 BIRDS	99 WAVE

YAMAHA DISK ORCHESTRA MODULE DOM-30

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The DOM-30 can be powered from a Yamaha PA-4/PA-40 or PA-5 AC Adapter. First plug the DC output cable from the adapter into the DOM-30 DC-IN jack, then plug the AC power plug into a convenient AC wall outlet.

— Setting Up Your DOM-30 System and Playing Back a Disk Orchestra Collection Disk (Sold Separately) —

This section provides brief instructions on using the DOM-30 with a Clavinova to play back a Disk Orchestra Collection or Disklavier disk.

The brief instructions given here are by no means complete. Be sure to read the "3. PLAYBACK" section beginning on page 4 for detailed coverage of all DOM-30 playback features. Read the entire manual thoroughly before attempting to use the DOM-30 for recording.

1. Connect the DOM-30 and Clavinova

The illustration below shows the standard playback connections for the DOM-30 and a Yamaha Clavinova. Using the MIDI cable provided, the MIDI OUT terminal of the DOM-30 is connected to the MIDI IN terminal of the Clavinova. The LINE OUT L and R jacks of the DOM-30 are connected to the OPTIONAL IN (L and R) or AUX IN (L and R) jacks of the Clavinova (L to L, R to R) using the supplied stereo pin-jack cable.
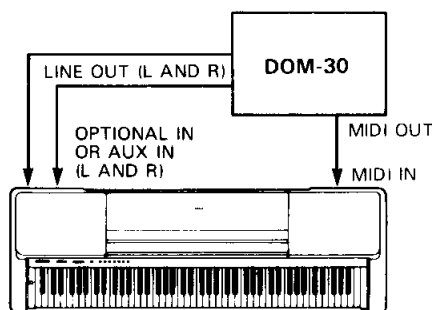
With these connections the sound of the DOM-30 voices is reproduced via the Clavinova's speakers in addition to the Clavinova sound. If you will be using a Clavinova that does not have OPTIONAL IN or AUX IN jacks (CVP-3/5/6/7/8), the LINE OUT (L and R) jacks of the DOM-30 can be connected directly to the inputs of a stereo sound system or audio mixer.

- If you will be using the DOM-30 alone to play back Disk Orchestra Collection disks (i.e. no keyboard), simply connect the LINE OUT (L and R) jacks to a stereo sound system using the stereo pin-jack cable provided.

2. Set the SEND CHANNEL Switch

The SEND CHANNEL switch on the DOM-30 rear panel should be set according to your system and playback requirements.

If you have connected the DOM-30 to a Clavinova as described above, the SEND CHANNEL switch should normally be set to the "1-2" position. In this position the channel-1 and channel-2 parts (usually the right- and left-hand keyboard parts, respectively) will be reproduced using the Clavinova voices rather than the DOM-30's own internal voices. All other parts will be played using the DOM-30 voices.

If you want the channel-1 and channel-2 parts to be played using the internal DOM-30 voices, the SEND CHANNEL switch should be set to "ALL." Also make sure that no MIDI cable is connected to the DOM-30 MIDI OUT connector.

3. Turn the Clavinova ON

Make sure the Clavinova AC plug is properly connected to a convenient AC outlet, then turn the POWER switch ON.

4. Connect the DOM-30 Power Adapter and Turn the Power ON

Plug the DC output cable from the AC adapter into the DOM-30 DC-IN jack, then plug the adapter's AC plug into a convenient AC outlet. Turn the DOM-30 power switch ON. If your Clavinova is a CLP-20/30/50/100/200/300/500 or CVP-3/5/6/7/8/10, turn the DOM-30 power switch ON while holding the FUNCTION button (this automatically activates a special Touch Change function that provides the best sound when Disk Orchestra Collection disks or Disklavier software is played back using these models).
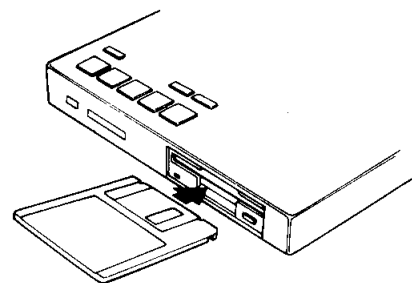

Note: When using a CLP-20/30/50/100/200/300/500 or CVP-3/5/6/7/8/10 to play back Disk Orchestra Collection disks, use the Clavinova panel controls to change the playback voice if necessary.

5. Insert Disk

Insert the Disk Orchestra Collection disk into the DOM-30 disk drive. Insert the disk with the metallic door facing the drive slot and the disk label facing upwards. Press the disk in firmly until it clicks into place and the disk drive lamp lights for a few seconds.

- The DOM-30 will play the following disks:
  - **Yamaha Disk Orchestra Collection disks.**
  - **Some Yamaha Disklavier disks (PianoSoft) — refer to the Yamaha Disk Orchestra Collection catalogue for details.**
  - **Disks recorded on the DOM-30.**
  - **Piano solo disks recorded on a Yamaha DRC-20 Disk Recorder.**

6. Select the Desired Song Number

Use the NO ◀ and ▶ YES buttons or number buttons to select the SONG NUMBER you want to hear. A list of available song numbers and corresponding titles is provided with Disk Orchestra Collection disks.

7. Start Playback

Press the START/STOP button to begin playback.

8. Set the Volume

Make sure the Clavinova master volume control is set to appropriate level (try about half way between MIN and MAX), and set the DOM-30 MASTER VOLUME control for the desired listening level.

9. Cancel and Practice Keyboard Parts as Required

If the song being played has separate right- and left-hand parts, you can use the PLAY TRACK SELECT RIGHT/1 and LEFT/2 buttons to independently cancel each part as required. To cancel the right-hand part, for example, press the RIGHT/1 button so that its indicator goes out. The right-hand part is now cancelled (off), so you can play it yourself on the Clavinova keyboard. Press the RIGHT/1 button again when you want to resume automatic playback of the right-hand part (the RIGHT/1 indicator will light). The same applies to the left-hand part and the LEFT/2 button.

Note: Some Disk Orchestra Collection and Disklavier disks (PianoSoft) do not contain separate left and right-hand data. If the LEFT/2 indicator dose not light when one of these disks is loaded, the performance data for both hands is recorded on the RIGHT track. In this case, the left and right hand parts can not be individually cancelled.

- More playback track selection and other features are described in the "3. PLAYBACK" section beginning on this page.

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3 PLAYBACK

— Play, Pause, Rewind & Fast Forward —

3-1 Playback Procedure

1. Select the Desired Song Number

Make sure that the disk containing the song you wish to play is properly loaded in the DOM-30 disk drive. If the SONG SELECT display is not already showing, press the SONG SELECT button and use the NO ◀ and ▶ YES buttons or number buttons to select the song number (1—60) you wish to play. To use the number buttons, press two buttons in sequence to select the desired number — e.g. press "0" and then "1" to select song number 1 ("01"), or press "2" and then "6" to select song number 26. You can also select "SONG ALL" by pressing the NO ◀ button once from the "SONG_NO 1" display. In this case the DOM-30 will play back all songs on the disk in sequence, and then start again from the first song.
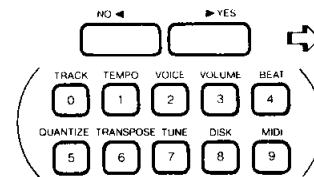

When any SONG number is selected, the PLAY TRACK SELECT button indicators corresponding to tracks that contain data will light, and those tracks will be automatically set to the playback mode.

2. Turn OFF Specific Tracks if Desired

Press the PLAY TRACK SELECT buttons corresponding to the track or tracks you want to turn OFF — the "de-selected" track indicators will go out. If the ORCH/3-10 button is pressed so that its indicator goes out, all material that was recorded on tracks 3 through 10 will be OFF. Press the RHYTHM/15 button if you have recorded a rhythm track but do not want to play it back (see "Recording a Rhythm Track" on page 12). In all cases, the playback tracks can be alternately turned ON or OFF by pressing the appropriate PLAY TRACK SELECT button.
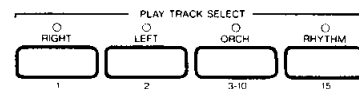
It is also possible to selectively turn tracks 3 through 10 off or on. Hold down the FUNCTION button and press the ORCH/3-10 button to call the following display.
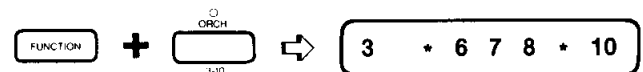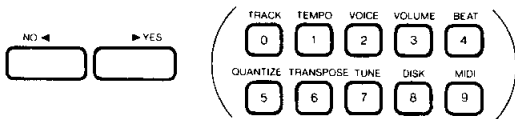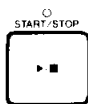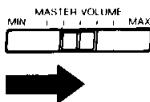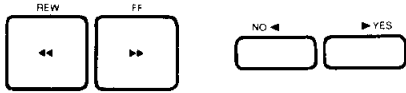

The numbers "3" through "10" on the display are the track numbers. An asterisk (*) in place of a track number means that no data is recorded on that track. Use the REW ◀◀ and ▶▶ FF buttons to select the desired track number (the selected track number will blink alternately with a " + " symbol), then use the NO ◀ or ▶ YES button to turn the track OFF (the track number will disappear), or ON if the track is already OFF.
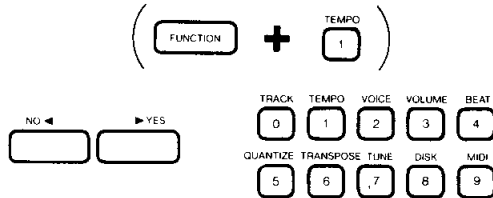
3. PLAYBACK

When the tracks have been turned on or off as required, press the FUNCTION button to return to the normal tempo display.

3. Adjust the Tempo if Necessary

With the normal tempo display showing (select by holding FUNCTION and pressing TEMPO/1 if not already showing), use the NO ◄ and ► YES buttons or number buttons to set the desired tempo. If this step is skipped the playback tempo will be the same as that at which the piece was recorded.

4. Press the START/STOP Button

Playback of the selected tracks begins as soon as the START button is pressed.

MIDI Information: Playback also starts if a MIDI START command (FA hexadecimal) is received. This function can be turned on or off as desired — see the "REMOTE IN" function in the "MIDI CONTROL" section on page 18.

Note: If the rhythm accompaniment of a Clavinova connected to the DOM-30 MIDI OUT connector starts playback at the same time, set the REMOTE OUT function described on page 18 to "Off."

5. Stop Playback

Press the START/STOP button to stop playback. Playback will stop automatically when the end of the recording is reached.

MIDI Information: Playback will also stop if a MIDI STOP message (FC hexadecimal) is received. This function can be turned on or off as required — see the "REMOTE IN" function in the "MIDI CONTROL" section on page 18.

3-2 The PAUSE Button

The DOM-30 PAUSE button functions just like the PAUSE button on a tape recorder, temporarily stopping playback when it is pressed. The PAUSE button indicator will light to indicate that the PAUSE mode is active. Playback resumes from the same point when the PAUSE button is pressed a second time.
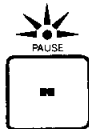
3-3 Rewind and Fast Forward

When the normal tempo display is showing or when the PAUSE mode is active, the REW ◄◄ and ►► FF buttons can be used to select any measure in the current song. The REW ◄◄ button steps backwards through the measures and the ►► FF button steps forward. Hold either button down for continuous stepping in the specified direction.
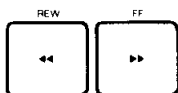
When the START/STOP button is pressed, playback will begin from the selected measure.

During playback the REW ◄◄ and ►► FF buttons act as rewind and fast forward controls. Normal playback resumes from the point at which the button is released. For convenient cueing, the playback sound can be heard during fast forward operation.

3-4 Phrase Repeat

The DOM-30 Phrase Repeat function makes it possible to place "Phrase Marks" at any desired location within a song to define a number of "phrases." Any of the defined phrases can then be selected and repeated automatically.
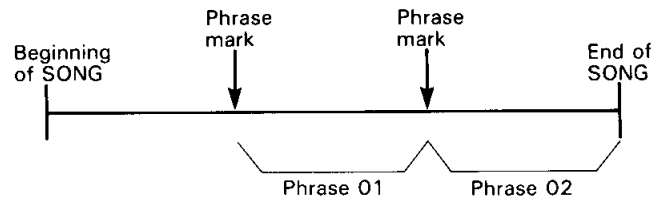
1. Placing Phrase Marks

Hold down the FUNCTION button and press the PHRASE REPEAT button during playback, or with playback PAUSEd at the desired point in the song, to place a phrase mark at that location. The REW and FF buttons can be used to precisely locate the beginning of any measure while in the PAUSE mode.

Note: This operation can not be carried out if the PHRASE REPEAT indicator is lit. If the indicator is lit, press the PHRASE REPEAT button to extinguish it before proceeding.

2. Phrase Repeat Playback

Press the PHRASE REPEAT button while the DOM-30 is STOPped — the PHRASE button indicator will light, the START/STOP button indicator will flash, and the following display will appear:

PHRASE_REP. 01

Use the NO ◄ and ► YES buttons or number buttons to select the desired phrase number, then press the START/STOP button to begin repeat playback of the selected phrase. The normal playback display appears during phrase repeat playback.
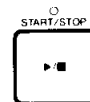
Note: If you press the PHRASE REPEAT button during phrase repeat playback, the normal playback mode will be activated and the song will continue to play through to the end.

When you stop phrase repeat playback by pressing the STOP button, the "PHRASE_REP." display reappears so you can immediately select a different phrase.

To return to the normal playback mode, press the PHRASE REPEAT button so that its indicator goes out.

Note: Phrase marks initially contained in Disk Orchestra Collection data will be played back in same way as described above. Phrase marks programmed using the procedures described above, however, will take priority over the pre-programmed phrase marks. It is not possible to erase pre-programmed phrase marks on Disk Orchestra Collection disks.

3. Erasing All Phrase Marks

All phrase marks can be erased by holding the FUNCTION button and pressing the PHRASE REPEAT button for longer than about three seconds. After the FUNCTION and PHRASE REPEAT buttons have been held for more than three seconds, the "MARK ERASE OK?" confirmation display will appear. Press ▶ YES to erase the phrase marks or NO ◀ to cancel the erase operation.


Note: This operation can not be carried out if the PHRASE REPEAT indicator is lit. If the indicator is lit, press the PHRASE REPEAT button to extinguish it before proceeding.

Note: All phrase marks are automatically erased when a new SONG is selected (Pre-programmed phrase marks on Disk Orchestra Collection disks can not be erased).

3-5 Footswitch Functions

An optional Yamaha FC-5 footswitch connected to the rear-panel FOOT SW. jack can be used for START/PAUSE or NEXT PHRASE operation. Select the desired function by holding the FUNCTION button and pressing the footswitch. The "ST/Pause" and "Next_Phr" functions are alternately selected each time the footswitch is pressed while the FUNCTION button is held.
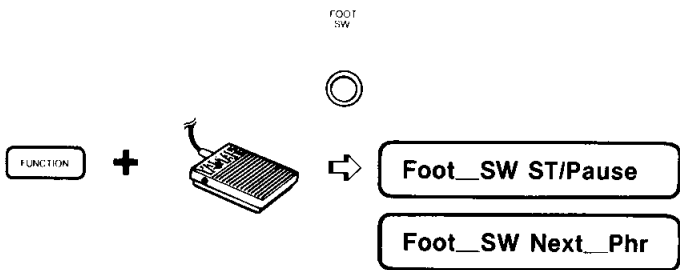
● Next Phrase operation with pre-programmed Disk Orchestra Collection disk phrase marks may function according to the following diagram in some cases.

Start/Pause Operation

When the "ST/Pause" function is selected the footswitch can be used to START playback from the STOP mode. During playback, pressing the footswitch once enters the PAUSE mode, and pressing it again causes playback to CONTINUE from the point at which it was PAUSEd.

Next Phrase Operation

When the "Next_Phr" function is selected the footswitch operates in conjunction with phrase marks placed within a song as described in the "3-4: Phrase Repeat" section, above. If the footswitch is pressed while the song is playing, playback is paused. When the footswitch is pressed a second time, playback begins from the next phrase mark rather than from the point at which playback was paused.

When playing the piano part using one of your Clavinova's voices, this function makes it possible to play a free solo of any length up to the beginning of the next phrase after pausing playback.

Note: If you change the song number or insert a different disk, the Start/Pause mode will be automatically re-selected.

3-6 Reverb Effects

The REVERB button provides a number of digital effects that you can use to add extra depth and warmth to the DOM-30 sound. Simply press the REVERB button a few times until the indicator corresponding to the desired effect lights.
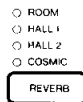
OFF [All REVERB indicators off]
No effect is produced.

ROOM [ROOM indicator lit]
This setting adds a reverb effect to the sound that is similar to the type of acoustic reverberation you would hear in a medium-size room.

HALL 1 [HALL 1 indicator lit]
For a more spacious reverb sound, use the HALL setting. This effect simulates the natural reverberation of a medium-size concert hall.

HALL 2 [HALL 2 indicator lit]
HALL 2 simulates the reverb of a very large concert hall.

COSMIC [COSMIC indicator lit]
COSMIC is a dynamic reverb effect in which the reverb sound seems to bounce back and forth across the stereo sound field.

— Formatting Disks and MIDI Channel Matching —

If you intend to record your own music disks using the DOM-30, read this section carefully before going on to the next section.

4-1 Formatting a New Disk

The music data that you record using the DOM-30 is stored on a 3.5" floppy disk loaded into the DOM-30 disk drive unit. The DOM-30 uses only 3.5" 2DD type floppy disks. We recommend that you use Yamaha 2DD disks. Before you can use a new disk for recording, the disk must be "formatted" so that the DOM-30 can recognize it and correctly write the music data onto it.

1. Turn the Power ON

If you haven't already done so, connect the AC adapter and turn the power ON as folows:
First plug the DC output cable from the AC adapter unit into the DOM-30 DC-IN jack, then plug the AC adapter's AC plug into a convenient AC outlet. After the AC adapter has been properly connected, turn the DOM-30 power switch ON. The LED next to the LCD display will begin to flash and the following display will appear on the LCD panel:


```
0001        ♩ = 120
```
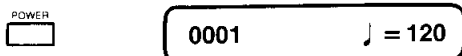
2. Insert a New Blank Disk

Make sure that the disk's write protect tab is set to the "write" position (tab closed), and insert the new disk into the disk drive unit with the metallic door facing the drive slot and the label side of the disk facing upward. The disk should click securely into place, and the disk drive lamp should light briefly.
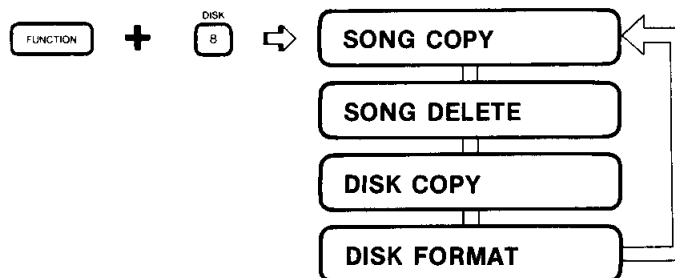

Write Protect tab

Write Protect OFF
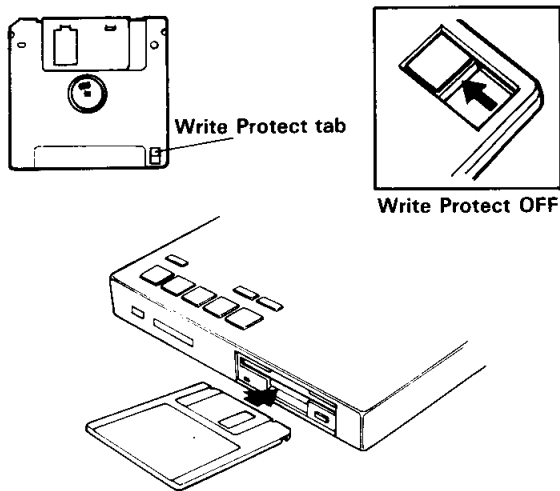
Every time you insert a brand new unformatted disk, the "Unformat DISK!!" message will appear on the DOM-30 display. This informs you that the DOM-30 cannot identify the disk you have inserted and must be formatted before it can be used for recording with the DOM-30

Note: Disks can be ejected from the drive by pressing the button near the disk drive door. NEVER eject a disk, however, while the disk drive lamp is lit.

3. Select the DISK FORMAT Function

The DISK FORMAT function is one of the DOM-30's DISK CONTROL functions. It can be accessed by holding down the FUNCTION button and pressing the DISK/8 button a few times until the DISK FORMAT display appears.

Note: If the "PROTECT!!" display appears, this usually means that the loaded disk's write protect tab is ON. Remove the disk (by pushing the button on the disk drive) and slide the write protect tab to the OFF position, then start again from the beginning of the format operation. (Pre-recorded "Disk Orchestra Collection" disks and disks recorded on a Yamaha Disklavier are specially protected and cannot be formatted).

4. Start the Format Operation

Once the DISK FORMAT function has been selected and you release the FUNCTION and DISK/8 buttons, the DOM-30 will ask you to confirm the format operation with the "FORMAT START?" display.

```
FORMAT START ?
```

Press the YES button to confirm the format operation. The DOM-30 will then ask you to press the START button.
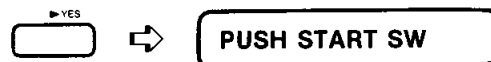
Press the START button and the formatting operation will actually begin. The display will then count down from 80 to 1 as the format operation progresses (the disk is formatted with 80 "tracks" — which are not related to the DOM-30 record tracks).
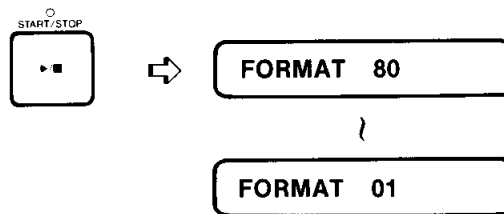
After the last disk track has been formatted ("FORMAT 01"), the format operation ends and the DOM-30 switches automatically to the SONG SELECT mode.

4-2 MIDI & Channel Matching

A Brief Introduction to MIDI

MIDI, the Musical Instrument Digital Interface, is a world-standard communication interface that allows MIDI-compatible musical instruments and equipment to share musical information and control one another. This makes it possible to create "systems" of MIDI instruments and equipment that offer far greater versatility and control than is available with isolated instruments. For example, most MIDI keyboards transmit note and velocity (touch response) information via the MIDI OUT connector whenever a note is played on the keyboard. This MIDI data can be conveniently recorded and then played back by a device such as the DOM-30 Disk Orchestra Module. When the recorded data is played back, the MIDI keyboard connected to the MIDI OUT terminal of the DOM-30 and/or the DOM-30 internal tone generator automatically "plays" the recorded performance in precise detail.

MIDI Channels and the DOM-30

The MIDI system allows transmission and reception of MIDI data on 16 different channels. The DOM-30 actually handles channels 1 through 10 and channel 15, corresponding to its recordable tracks — tracks 1 through 10 and track 15. Data recorded on track 1 is played back on MIDI channel 1, data recorded on track 2 is played back on MIDI channel 2, and so on.
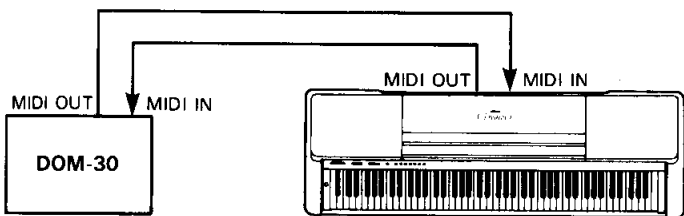

Multiple channels allow selective control of a number of devices or instruments at once. For example, the DOM-30 could be used to "play" two or more different instruments or tone generators. One of the instruments or tone generators could be set to receive only on channel 1, while the other is set to receive on channel 2. In this situation the first instrument or tone generator will respond only to channel-1 information transmitted by the DOM-30, while the second instrument or tone generator will respond only to channel-2 information. This allows the DOM-30 to "play" several completely different parts on the receiving instruments or tone generators.

Set to receive on MIDI channel 1
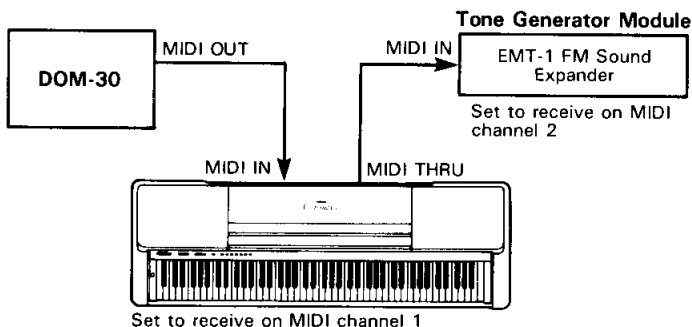
In the same way, the DOM-30 can play its own internal voices. If the rear-panel SEND CHANNEL switch is set to "1-2," for example, the track/channel 1 and track/channel 2 data is transmitted via the MIDI OUT connector and can be used to drive an external keyboard such as a Clavinova, while the remaining tracks/channels (3—10 and 15) drive the DOM-30's own internal tone generator.

If the SEND CHANNEL switch is set to "ALL," the data from all tracks is transmitted via MIDI OUT on the corresponding MIDI channels, and the internal tone generator voices assigned to the those tracks/channels are controlled at the same time.

Note: If you intend to record using only the DOM-30 voices, disconnect the MIDI cable from the DOM-30 MIDI OUT connector.

You can assign any of the DOM-30's 100 voices to each track by using the VOICE function described on page 13. Track 15, however, can only be used to record and play the DOM-30 rhythm (percussion) sounds as described in "5-6: Recording a Rhythm Track" on page 12.

Channel Matching and the DOM-30

In any MIDI setup, the MIDI channels of the transmitting and receiving equipment must be matched for proper data transfer. An "OMNI" receive mode is also available, which allows reception on all 16 MIDI channels. In the OMNI mode it is not necessary to match the receive channel of the receiving device to the transmit channel of the transmitting device.

If you are about to make your first recording on the DOM-30, there is no need to make any special settings since the DOM-30 is automatically set to receive in the OMNI mode when the power is first turned ON. It therefore doesn't matter what channel your keyboard is set to transmit on.

When your recording is played back, however, the DOM-30 will transmit the data from each track on the correspondingly numbered MIDI channel, as described in the previous section. To reproduce a number of tracks via your keyboard (right- and left-hand keyboard parts recorded on tracks 1 and 2, for example), your keyboard should be set to receive in the OMNI mode. Otherwise, the various voices on your keyboard should be independently set to receive on the appropriate MIDI channels. Refer to your keyboard operation manual for details on MIDI channel selection. Refer to the "8. MIDI CONTROL" section of this manual for more important information on setting the DOM-30 MIDI receive mode and receive channel.

● The MIDI THRU connector simply re-transmits any data received at the MIDI IN connector, so the MIDI OUT data from the keyboard can be simultaneously sent to other MIDI equipment via the THRU connector.

Note: Always use high-quality MIDI cables to connect MIDI OUT and MIDI IN terminals. Never use MIDI cables longer than about 15 meters, since cables longer than this can pick up noise which can cause data errors.

5 RECORDING

## — Recording Musical Data Using the DOM-30 —

IMPORTANT NOTE: *If you haven't read the previous section — "ESSENTIAL RECORDING PREPARATIONS" — please go back and do so before attempting to record.*

5-1 Basic Recording/The First Track

#### 1. Make Necessary MIDI Connections
The setup for recording with the DOM-30 and a Clavinova is basically the same as the playback system shown on page 3, except that an additional MIDI cable must be connected from the Clavinova MIDI OUT to the DOM-30 MIDI IN connector.

Note: If you intend to record using only the DOM-30 voices, disconnect the MIDI cable from the DOM-30 MIDI OUT connector.
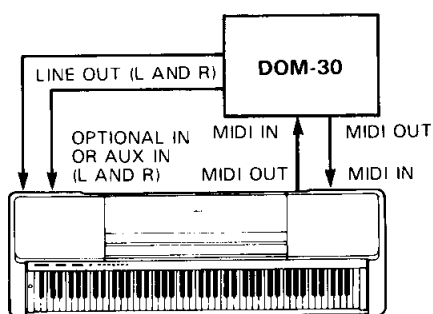
2. Load a Formatted Disk
If you haven't already done so, make sure that a properly formatted disk is loaded into the DOM-30 disk drive, and that the disk's write protect tab is set to the "write" position (tab closed).
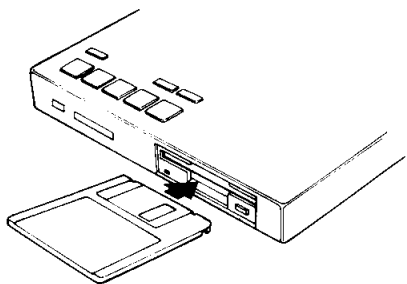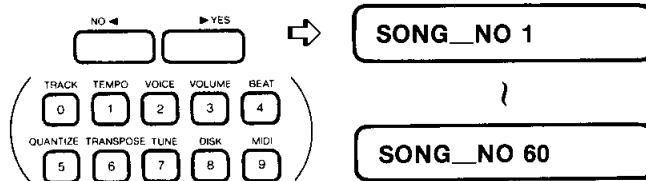
3. Select a Song Number
When a properly formatted disk is loaded into the DOM-30, the SONG SELECT mode will be automatically selected (this will also happen if the power is turned ON when a formatted disk is already in the drive).

```
SONG_NO 1
```

If the "SONG_NO" display is not showing (i.e. a different mode has been selected), the SONG SELECT mode can be selected simply by pressing the SONG SELECT button.
Use the NO ◀ and ▶ YES buttons or number buttons (0 through 9) to select a SONG NUMBER between 1 and 60 for the piece you are about to record (up to 60 different songs, each with a different song number, can be recorded on a single disk). To use the number buttons, press two buttons in sequence to select the desired number — e.g. press "0" and then "1" to select song number 1 ("01"), or press "2" and then "6" to select song number 26. Make sure the song number you select has not already been used for a song previously recorded on the disk you are using.

4. Turn On the Metronome Sound
After selecting the desired song number, press the FUNCTION button or SONG SELECT button to return to the normal tempo display.
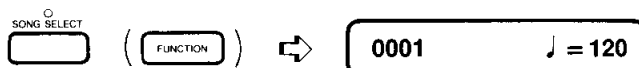
Now press the METRONOME button to turn the metronome sound on so that it will be easy to set the required tempo. The METRONOME button indicator will light, and the metronome will sound on each beat. Pressing the METRONOME button alternately turns the metronome sound ON and OFF

5. Press the RECORD Button
If you press and hold the RECORD button, the amount of free space on the currently loaded disk will be shown on the display.

```
600KByte FREE
```
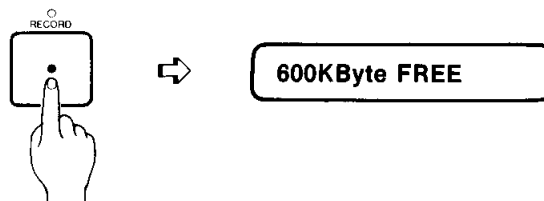
A single disk can record a total of approximately 700 kilobytes (a kilobyte is 1,024 bytes) of data — sufficient for many long and complicated performances. In terms of notes, approximately 50,000 notes can be recorded continuously. This number will vary, however, depending on the number of pedal operations performed, volume changes, etc.

Note: Pre-recorded "Disk Orchestra Collection" disks and disks recorded on a Yamaha Disklavier are specially protected and cannot be recorded using the DOM-30. If you attempt to record on one of these disks, the "PROTECT!!" message will appear and recording will not be possible.

6. Select a Record Track
While still holding the RECORD button, use the NO ◀ and ▶ YES buttons to selected the desired record track number (1, 2, 3, 4, 5, 6, 7, 8, 9, or 10). It is also possible to select track numbers by pressing the PLAY TRACK SELECT buttons: "RIGHT/1" selects track 1, "LEFT/2" selects track 2, and "ORCH/3-10" select a track between 3 and 10 (press the ORCH/3-10 button a few times until the desired track number appears on the display).
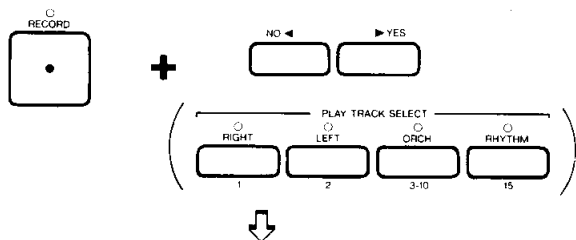
REC TRACK 01

↕

REC TRACK 10

REC TRACK RHYTHM

REC TRACK MULTI

Note that you can also select "REC TRACK RHYTHM" (PLAY TRACK SELECT "15" button) or "REC TRACK MULTI" at this stage. These functions will be described in the "Recording a Rhythm Track" and "Multi-Timbre Recording" sections beginning on page 12 and 13.

Obviously, the most logical approach to track selection is to start with the accompaniment tracks (bass, chords, rhythm, etc.) which should be recorded on track 3 and above. Record the melody (piano) part last on tracks 1 and 2.

Note: It's best to record parts that will be played back using the Clavinova voices (i.e. the piano part) on tracks 1 and 2. If the SEND CHANNEL switch is set to "1-2," the DOM-30 internal tone generator will not sound at the same time as the Clavinova voice when recording or rehearsing these tracks.

7. Release the RECORD Button to Activate RECORD READY

When you release the RECORD button the DOM-30 will enter the RECORD READY mode — The REC button indicator will be lit and the START/STOP button indicator will be flashing.
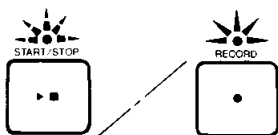
8. Set the Desired Tempo

Use the NO ◄ and ► YES buttons or number buttons to set the desired tempo. The selected tempo will be displayed on the LCD panel in beats per minute (the range is from 32 to 280 beats per minute), and the metronome will sound at the corresponding tempo.

Note: The "standard" tempo of 120 beats per minute can be recalled at any time when the tempo display is showing by pressing both the NO ◄ and ► YES buttons at the same time. If one or more tracks of the current song have already been recorded, pressing the NO ◄ and ► YES buttons recalls the original tempo of the song.

9. Select the Desired Time Signature

If you want to record in standard 4/4 time you can skip this step since the DOM-30 is automatically set to 4/4 time whenever it
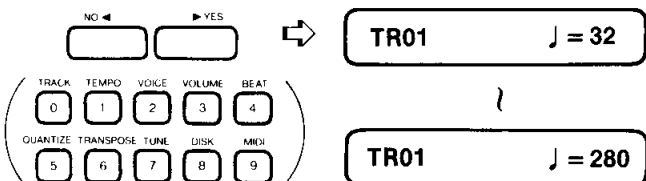
is turned ON. If you want to record in 3/4, 2/4 or 6/8 time, however, the "BEAT" function will have to be set as follows. First, select the BEAT function by holding down the FUNCTION button and pressing the BEAT/4 button.
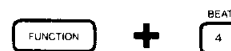
Then, use the NO ◄ and ► YES buttons to select the desired time signature.
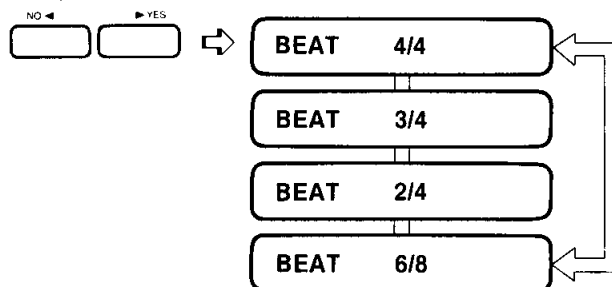
Note: The BEAT function (time signature) can only be set before recording the first track in a new song.

Note: If you have any special settings you need to make on your keyboard before recording — volume, effects, etc. — make them after activating the DOM-30 RECORD READY mode. This causes settings which are also transmitted as MIDI messages to be recorded so that these same settings are automatically reinstated when the recording is played back

10. Play

Recording will begin automatically as soon as the first note is played on the keyboard.* You can also start recording by pressing the START/STOP button. Both the RECORD and START/STOP button indicators will be lit continuously while recording. The current measure number will be shown on the LCD display as you record.
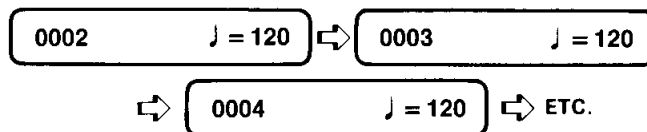
There are no special recording requirements. Simply play on the keyboard as you normally do.

* **MIDI Information:** If you're familiar with MIDI, you might be interested to know that this is because the DOM-30 is set up to start recording the instant a MIDI KEY ON message is received. Recording also starts if a MIDI START command (FA in hexadecimal) is received, but this function can be turned on or off as desired — see the "REMOTE IN" function in the "MIDI CONTROL" section on page 18.

Note: If the rhythm accompaniment of a Clavinova connected to the DOM-30 MIDI OUT connector starts playback at the same time, set the REMOTE OUT function described on page 18 to "Off."

11. Stop Recording

Press the RECORD button or the START/STOP button to stop recording.* At this point the RECORD button indicator will flash and the DOM-30 will ask you whether you want to store the data you just recorded to the floppy disk.

STORE THIS DATA ?
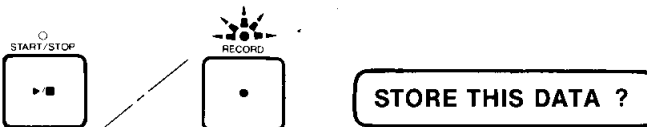
If you think the recording went OK and you do want to store the data, press the ► YES button. The "NOW Working" display will appear while the data is being written to the disk. If you want to cancel the recording, simply press the NO ◄ button (if you press NO ◄ any previous data on the current track will be left untouched).

10

$\boxed{\text{YES} \atop \square}$ ⇨ $\boxed{\text{NOW Working}}$

When the "NOW Working" display disappears and the RECORD button indicator goes out your data has been safely stored to disk and the recording (this track, at least) is complete. Please note that any previous data on the current track (1 through 10) will be erased when newly recorded data is stored.

* **MIDI Information:** Recording will also stop if a MIDI STOP message (FC hexadecimal) is received. This function can be turned on or off as required — see the "REMOTE IN" function in the "MIDI CONTROL" section on page 18.

Note: Recording will stop automatically if the disk memory capacity is reached, and the "DISK FULL" message will appear on the LCD. If this occurs the data you are currently recording will be erased. You can either delete one or more unwanted SONGs to make more room on the disk (see "SONG DELETE" on page 15) or copy some songs to a new disk ("SONG COPY" on page 15).

5-2 Recording a New Track

When you've finished recording the first track, you can simply play it back as described in "3. PLAYBACK," or record a new track. To record a new track, select a record track that has not been used yet (if you record to the same track again, the previously recorded material will be erased and the new material will be recorded in its place), and record in the same way as described in the previous section. You can assign any of the DOM-30's 100 voices to the track you are about to record by using the VOICE function described on page 13.
It is possible to rehearse a part before actually recording it using the DOM-30 voices as follows:

1. While holding the FUNCTION button, press the TRACK/0 button as many times as is necessary to select the track you will record.

2. Select the desired DOM-30 voice using the VOICE function described on page 13.

3. Play back the previously recorded parts and rehearse the new part to be recorded.

4. When you're ready to record, select the record track by using the PLAY TRACK SELECT buttons while holding the RECORD button.

5. Play and record the new part.

Previously recorded tracks are automatically set to the playback mode when you select a new record track, so you'll be able to record the new track while listening to the previously recorded material. You could also use the PLAY TRACK SELECT buttons to turn playback of any previously recorded track or tracks off if desired (see "2. Turn OFF Specific Tracks if Desired" in the "3. PLAYBACK" section on page 4).

Note: When recording you might want to engage your Clavinova's "Local Control OFF" function so that playing the keyboard does not produce the Clavinova sound at the same time as the DOM-30 voice you are recording. Refer to your Clavinova owner's manual for instructions on engaging the Local Control OFF mode.

Note: If your Clavinova features the Multi-Timbre Mode, it should be turned ON to hear the Clavinova sound while recording a new track. Refer to your Clavinova owner's manual for instructions on engaging the Multi-Timbre Mode.

5-3 Changing the Initial Tempo, Voice and Volume

It is possible to change the tempo of a previously-recorded song, as well as the voices and volume of each track.

1. Select the Song To Be Modified

2. Select the Track To Be Modified
Select the track for which the voice or volume is to be changed by holding the RECORD button and using the NO ◀ and ▶ YES or PLAY TRACK SELECT buttons.
Although it is not necessary to select a track in order to change the tempo, the above procedure must be carried out in order to activate the record ready mode.

Caution: Do not press the START button. If you do, the recorded data will be erased.

3. Select the Function To Be Modified
Press the button corresponding to the function to be changed (TEMPO/1, VOICE/2, or VOLUME/3) while holding the FUNCTION button (the VOICE and VOLUME functions are described in detail on pages 13 and 14).

Initial Tempo Display

$\boxed{\text{TR01} \qquad \text{♩} = 132}$

Initial Voice Display

$\boxed{\text{TR01} \qquad \text{VOICE} \qquad 3}$

Initial Volume Display

$\boxed{\text{TR01} \qquad \text{VOLUME} \qquad 80}$

4. Change the Initial Setting
Use the NO ◀ and YES ▶ or number buttons to change the initial setting as required.

5. Press the Record Button To Enter the Stop Mode
The "ARE YOU SURE?" display will appear when you press the RECORD button — press the NO ◀ or ▶ YES button as required. If you press ▶ YES, the data will be stored and the STOP mode will be activated after a few seconds.

5-4 The TEMPO CHANGE Function

You'll notice that if some data has already been recorded in a song, a "TEMPO CHANGE" display will appear following "REC TRACK 10" when selecting a record track using the RECORD button and ORCH/3-10 button, or following "REC TRACK RHYTHM" when using the NO ◀ and ▶ YES buttons to select a record track. If you choose this function and then begin recording, you can use the NO ◀ and ▶ YES buttons or number buttons to change the tempo of the recorded material as it plays. This allows you to add ritardando, rubato and other tempo-related effects to your recordings.

$\boxed{\text{REC TEMPO CHANGE}}$

5-5 Punch-in Recording

Punch-in recording is an extremely handy feature that lets you re-record a section of a previously recorded track — one measure, several measures or many — without having to re-record the entire track.

The point at which you begin recording the new material within the recorded track is called the "punch-in point," and the point at which you finish recording is called the "punch-out point."
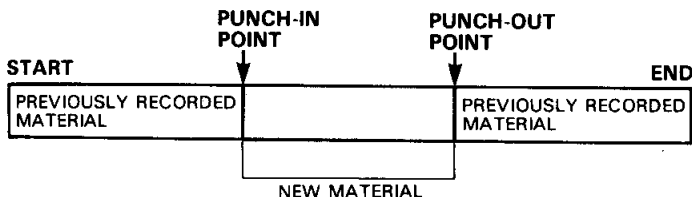
To use the DOM-30 punch-in recording function, you must first specify the punch-in and punch-out points and then record, as follows:

1. Set the PUNCH-IN Point

Play back the recording (see instructions in the "3. PLAY-BACK" section) and press the PUNCH IN/OUT button at the point at which you want to begin recording. The PUNCH IN/OUT button indicator will begin to flash.

Note: It is also possible to set the punch-in point by pressing the PUNCH IN/OUT button while playback is PAUSEd at the desired location. The REW and FF buttons can be used to precisely locate the beginning of any measure while in the PAUSE mode.

2. Set the PUNCH-OUT Point

With the recording still playing, press the PUNCH IN/OUT button a second time at the point at which you want to finish recording. The PUNCH IN/OUT button indicator will now light continuously to indicate that both the PUNCH-IN and PUNCH-OUT points have been selected.

If you do not set the punch-out point and allow the song to play through all the way to the end, the PUNCH-IN/OUT indicator will light continuously when the end is reached. In this case punch-in recording will continue until the START/STOP button is pressed, making it possible to extend the length of the recording.

Note: Fast forward and rewind operations cannot be carried out while the PUNCH IN/OUT indicator is lit.

Note: As with the punch-in point, it is also possible to set the punch-out point by pressing the PUNCH IN/OUT button while playback is PAUSEd at the desired location (using the REW and FF buttons to locate the beginning of the desired measure, if necessary).

3. Record

If you now record in the normal way while the PUNCH IN/OUT button indicator is lit (with the record track you want to punch into selected, of course), actual recording will begin at the selected punch-in point and end at the punch-out point. Previously recorded material prior to the punch-in point and following the punch-out point will be left untouched. The PUNCH IN/OUT button indicator will flash during recording between the punch-in and punch-out points, and will light continuously again following the punch-out point.

At this point the punch-in and punch-out points are still memorized and the punch-in recording mode is still active so you can run the punch-in operation again immediately on the same or a different track.

4. Turn Off the PUNCH-IN RECORD Mode

Press the PUNCH IN/OUT button to turn off its indicator and disengage the punch-in recording mode.

5-6 Recording a Rhythm Track

As you've already seen, the DOM-30 has tracks numbered 1 through 10 and a RHYTHM track numbered 15. The reason for this track number is simply that Yamaha Clavinovas and other MIDI keyboards that are capable of handling rhythm data use MIDI channel 15 to transmit and receive the rhythm data.

To record a rhythm track, simply select "REC TRACK RHYTHM" at the record track selection stage and record in the normal way, playing the DOM-30 percussion instruments via the corresponding notes on your keyboard. The chart below shows which DOM-30 percussion instruments are assigned to which keys.

Note: These key assignments are fine if you have a full-size keyboard (i.e. 88 keys), but if you have a shorter 76-key keyboard you should use the DOM-30 RHYTHM KEY NUMBER function to shift the percussion instruments down to a lower range. Refer to "8-3: RHYTHM KEY NUMBER" on page 17 of the "8. MIDI CONTROL" section.

You can record on the RHYTHM track over and over again without erasing previously recorded material, so you can easily build up complex rhythm patterns. If previous material exists on the rhythm track when you enter the record mode, the "OVER DUBBING?" display will appear, asking you if you want to leave the previous material as it is ("overdubbing" means to recorded over previous material without erasing it). Press the ▶ YES button if you want to overdub, or the NO ◀ button if you want to erase the previous data.
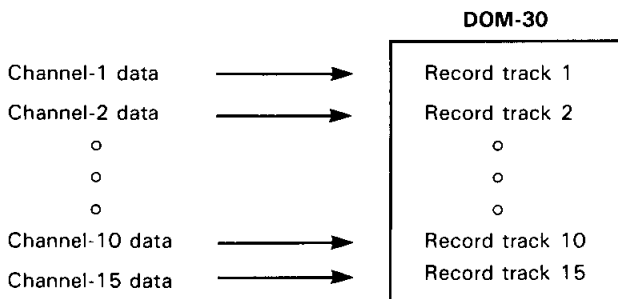

OVER DUBBING ?

Previously recorded tracks are automatically set to the playback mode when you record the rhythm track, so you'll be able to record the rhythm track while listening to the previously recorded material. You could also use the PLAY TRACK SELECT buttons to turn playback of any previously recorded track or tracks off if desired (see "2. Turn OFF Specific Tracks if Desired" in the "3. PLAY-BACK" section on page 4).

Note: When recording the rhythm track you might want to engage your Clavinova's "Local Control OFF" function so that playing the keyboard does not produce the Clavinova sound at the same time as the DOM-30 percussion voices you are recording. Refer to your Clavinova owner's manual for instructions on engaging the Local Control OFF mode.

5-7 Multi-Timbre Recording

If you select the "REC TRACK MULTI" display when selecting a record track, the DOM-30 is set to record in the "Multi-Timbre" mode. This means that all tracks can be recorded simultaneously via the corresponding MIDI channels. In other words, data received on MIDI channel 1 will be recorded on DOM-30 track 1, data received on channel 2 will be recorded on track 2, etc. As usual, the data will then be transmitted on the corresponding MIDI channels (and, of course, to the corresponding internal voices) when the recording is played back.

REC TRACK MULTI

DOM-30

Channel-1 data	⟶	Record track 1
Channel-2 data	⟶	Record track 2
o		o
o		o
o		o
Channel-10 data	⟶	Record track 10
Channel-15 data	⟶	Record track 15

Note: The DOM-30 records data received on all 16 MIDI channels (1 through 16), and plays the data back on the same channels in this mode only.

One way to take advantage of this feature is to record the left- and right-hand parts from a Clavinova simultaneously on tracks 1 and 2. The Clavinova should be set up so that the bass (left-hand) part is transmitted on MIDI channel 2, and the melody (right-hand) part is transmitted on MIDI channel 1 (split send mode). Then if you record using the "REC TRACK MULTI" mode, the bass part and melody part will be simultaneously recorded on tracks 2 and 1, respectively. Then, when you play the recording back, the DOM-30 "R1" and "L2" PLAY TRACK SELECT buttons can be used to turn the left- or right-hand parts on or off so you can conveniently practice either part.

The "REC TRACK MULTI" mode can be used to record data from any other MIDI instrument or device that transmits several channels at once.

Note: Previous data on all tracks will be erased when new data is recorded using the MULTI mode.

5-8 Voice Number Conversion

Disks recorded on the DOM-30 can be played back on a Yamaha CVP-70 or CVP-50 Clavinova if the songs they contain are first converted to the appropriate format using the Voice Number Conversion function.

Note: Voice Number Conversion is not reversible (some of the voice assignments may change if you play back a converted song on the DOM-30), so if you want to keep a song for use with the DOM-30, use the SONG COPY function (see page 15) to make a copy of the song, then use the Voice Number Conversion function on the copy.

With the disk to be converted inserted in the DOM-30 disk drive (it's write protect tab must also be set to the write enable position), press the DISK/8 and MIDI/9 buttons simultaneously while holding the FUNCTION button.

FUNCTION	+	8 (DISK)	9 (MIDI)	⟹	Voice__No. conv.

When you release the FUNCTION, DISK/8 and MIDI/9 buttons, the DOM-30 will ask you to specify the song number to be converted. Use the NO ◀ and ▶ YES buttons or number buttons to select the song number to be converted.

Conv. Song No.   1

Press the START/STOP. The DOM-30 will respond with "ARE YOU SURE?". Press the ▶ YES button to execute the conversion operation.

START/STOP ▶■	· ⟹	ARE YOU SURE ?

6 OTHER RECORD/PLAY FUNCTIONS

Quantization, Voice/Volume Changes & Transposition

This section will describe the record and playback functions accessed by the FUNCTION and number buttons that have not been previously covered.
The normal track and tempo display is described in both the "5. RECORDING" and "3. PLAYBACK" sections. The BEAT function is described in detail in "9. Select the Desired Time Signature" on page 10 of the "5. RECORDING" section.

FUNCTION	+	TRACK 0	TEMPO 1	VOICE 2	VOLUME 3	BEAT 4
		QUANTIZE 5	TRANSPOSE 6	TUNE 7		

6-1 VOICE

FUNCTION	+	2 (VOICE)	⟹	TR01 VOICE 2
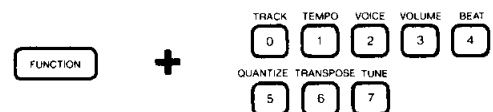
This function makes it possible to change the voice played by the currently selected track.

With the appropriate track selected, call the VOICE function and use the NO ◄ and ► YES buttons or number buttons to select the desired voice number. When the selected track is controlling an external keyboard or tone generator, the voice corresponding to the voice number you select will depend on the particular keyboard and/or tone generator unit you are using. If the selected track is controlling the DOM-30 tone generator, the names of the voices corresponding to each voice number are listed in the VOICE list at the top of the control panel.

A different track can be selected while the VOICE function is selected by holding the FUNCTION button and pressing the TRACK/0 button a few times until the desired track number appears.

NO.	NAME	NO.	NAME	NO.	NAME
0	PIANO 1	34	HARPSICHORD 2	68	BAGPIPE
1	PIANO 2	35	HARPSICHORD 3	69	HARMONICA
2	HONKY TONK PIANO	36	E.BASS 1*	70	ACCORDION
3	E.PIANO 1	37	E.BASS 2*	71	SYNTH 1*
4	E.PIANO 2	38	E.BASS 3*	72	SYNTH 2
5	E.PIANO 3	39	SLAP BASS*	73	SYNTH 3*
6	E.PIANO 4	40	SYNTH BASS 1*	74	SYNTH 4*
7	SYNTH PIANO	41	SYNTH BASS 2*	75	SYNTH 5*
8	CELESTA	42	SYNTH BASS 3*	76	DRUMS
9	MARIMBA	43	UPRIGHT BASS 1*	77	TIMPANI/STEEL DR
10	BAMBOO MARIMBA*	44	UPRIGHT BASS 2*	78	AFRICAN PERCUS*
11	KALIMBA*	45	UPRIGHT BASS 3*	79	GAMELAN*
12	VIBES	46	VIOLIN/CELLO	80	CHOIR
13	MUSIC BOX*	47	PIZZICATO	81	SYNTH VOX 1
14	SYNTH CRYSTAL	48	STRINGS 1	82	SYNTH VOX 2*
15	CLAVI*	49	STRINGS 2	83	OW!*
16	SYNTH CLAVI*	50	SYNTH STRINGS 1	84	AQUA*
17	JAZZ ORGAN 1	51	SYNTH STRINGS 2	85	LANDSCAPE*
18	JAZZ ORGAN 2	52	ORCHESTRA HIT*	86	ICE BLOCK*
19	ROCK ORGAN	53	TRUMPET/TROMBONE*	87	CRYSTAL BLOCK*
20	PIPE ORGAN	54	MUTE TRUMPET*	88	SAMBA WHISTLE*
21	FOLK GUITAR*	55	HORN	89	BIRDS*
22	12 STR.GUITAR*	56	BRASS 1*	90	HAMMER SHOT*
23	ACOU. GUITAR	57	BRASS 2*	91	INVADER*
24	JAZZ GUITAR*	58	SYNTH BRASS 1*	92	SHOCK ALARM
25	ROCK GUITAR 1*	59	SYNTH BRASS 2*	93	WATER DROP*
26	ROCK GUITAR 2*	60	SYNTH BRASS 3*	94	EMERGENCY
27	DISTORTION GUITAR*	61	SAX*	95	ZING
28	MUTE GUITAR*	62	CLARINET	96	RACING CIRCUIT
29	BANJO	63	RECORDER	97	SCRAPE
30	SITAR*	64	FLUTE	98	CONSTRUCTION
31	HARP	65	PAN FLUTE	99	WAVE
32	KOTO*	66	OBOE		
33	HARPSICHORD 1	67	BASSOON		

Voices marked with an asterisk (*) accept pitch bend control.

6-2 VOLUME

[FUNCTION] + [3] ⇨ [TR01   VOLUME   80]

With this function you can easily change the playback volume of the currently selected track. The VOLUME function can be used to achieve the desired volume balance between different tracks. With the appropriate track selected, call the VOLUME function and use the NO ◄ and ► YES buttons or number buttons to select the desired volume level. A setting of "0" produces minimum volume while a setting of "100" produces maximum volume.

A different track can be selected while the VOLUME function is selected by holding the FUNCTION button and pressing the TRACK button a few times until the desired track number appears.

6-3 QUANTIZE

[FUNCTION] + [5] ⇨ [QUANTIZE   1/4]
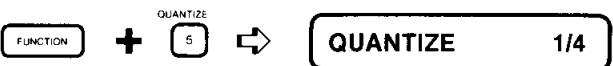
The QUANTIZE function makes it simple to achieve perfect note timing by automatically aligning notes in a recorded track to a

specific timing that you specify. You can specify quantization to 1/4 notes, 1/8th notes, 1/8th note triplets, 16th notes, 16th note triplets or 1/32nd notes. All notes in the selected track will be shifted so that they line up precisely with the nearest beat of the specified length.

Call the QUANTIZE function, use the NO ◄ and ► YES buttons to select the desired QUANTIZE value (see chart below), and press the START/STOP button. The DOM-30 will then ask you which track you want to quantize. Select the desired track using the NO ◄ and ► YES buttons, then press the START/STOP button to execute the QUANTIZE operation.

QUANTIZE	NOTE VALUE
1/4	1/4 notes
1/8	1/8th notes
1/12	1/8th note triplets
1/16	1/16th notes
1/24	1/16th note triplets
1/32	1/32nd notes

Note: So you have a backup in case QUANTIZE dose not produce the results you require, it is a good idea to use the SONG COPY function to make a copy of the song to be quantized prior to using the QUANTIZE function.

6-4 OUT TRANSPOSE

[FUNCTION] + [6] ⇨ [OUT_Transp.   0]

The OUT TRANSPOSE function makes it possible to transpose the pitch of all notes played back by the DOM-30 (except for the RHYTHM track) up or down in semitone steps by a maximum of plus or minus six semitones. A setting of +4, for example, raises the overall playback pitch by an interval of a major third (four semitones). This function does not affect the recorded data.

Use the NO ◄ and ► YES buttons to select the desired degree of transposition.

6-5 IN TRANSPOSE

[FUNCTION] + [6] ×2 ⇨ [IN_Transp.   0]

Note: Hold FUNCTION and press TRANSPOSE/6 twice to call IN Transpose.

IN TRANSPOSE allows musical data to be transposed as it is being recorded, so that the transposed data is actually recorded by the DOM-30 (except for the RHYTHM track). The transposition range is the same as for the OUT TRANSPOSE function: a maximum of plus or minus six semitones in semitone steps. A setting of -6, for example, lowers the recorded pitch by an interval of a diminished fifth (six semitones).

Use the NO ◄ and ► YES buttons to select the desired degree of transposition.

6-6 TUNE

[FUNCTION] + [7] ⇨ [TUNING   440]

This function allows overall tuning of the SOM-30 tone generator (except rhythm voices) over a ±50 cent range in 3-cent steps. 100 cents equals one semitone, so the total tuning range is one semitone. When the power is initially turned ON, TUNING is automatically set to concert pitch: A3 = 440 Hz.

Use the NO ◄ and ► YES buttons to tune as required.

7 DISK CONTROL

— Copying & Deleting Songs, Copying Disks —

The DOM-30 DISK CONTROL functions allow copying and deleting songs, copying entire disks, and formatting new disks. The DISK FORMAT operation has been described in detail in "Formatting a New Disk" on page 7. The remaining DISK CONTROL functions are described below.

To select a DISK CONTROL function, hold down the FUNCTION button and press the DISK/8 button. A new DISK CONTROL function is selected each time the DISK/8 button is pressed.
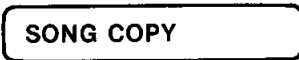
[FUNCTION] **+** [8 DISK] ⇨

- SONG COPY
- SONG DELETE
- DISK COPY
- DISK FORMAT
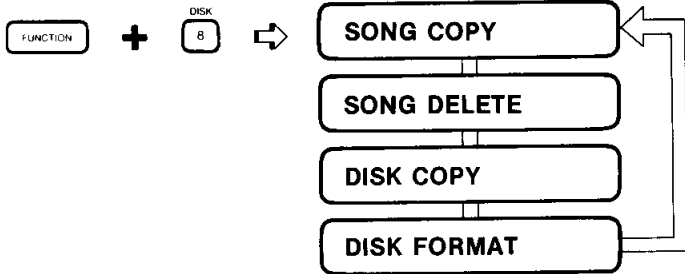
7-1 Copying Songs

Song data can "backed up" by copying to a new song number or a different disk, as follows:

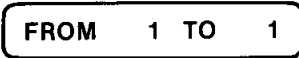### 1. Select the SONG COPY Function
Hold down the FUNCTION button and press the DISK/8 button a few times until the SONG COPY display appears.
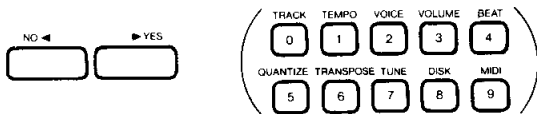
[SONG COPY]

2. Select the "Source" Song
When you release the FUNCTION button after selecting the SONG COPY function, the following display will appear:

[FROM   1 TO   1]

Use the NO ◄ and ► YES buttons or number buttons to select the number of the source song (i.e. the song which is to be copied to a new song number or disk).

[NO ◄] [► YES]   (TRACK 0, TEMPO 1, VOICE 2, VOLUME 3, BEAT 4, QUANTIZE 5, TRANSPOSE 6, TUNE 7, DISK 8, MIDI 9)

3. Select the "Target" Song Number.
After selecting the source song number, press the START/STOP button and select the target song number* (the new song number to which the source song is to be copied).

[START/STOP ►■]

[NO ◄] [► YES] ⇨ [FROM   2 TO   101]

---
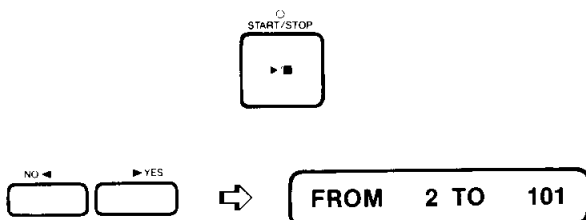
* A target song number between 101 and 160 causes the copy to be made to a different disk. For example, if you select "106" as the target song number, the source song will be copied to song number "6" on a different disk. When you START the copy operation, the DOM-30 will tell you when to insert the "TARGET DISK" (the disk to which the song is being copied) or the "SOURCE DISK" (the disk from which the song is being copied) as necessary. When copying to a new disk, make sure your target disk has been properly formatted by the DOM-30, and that its write protect tab is set to the write-enable position.

4. Start the Copy Operation
Press the START/STOP to actually begin the copy operation. If you copy to a song number that already contains data, that data will be overwritten by the new song data. To prevent accidental erasure of previous material, the DOM-30 will ask "ARE YOU SURE ?" if you have picked a target song number that already contains data. Press the ► YES button if you want to go ahead with the copy operation, or the NO ◄ button to cancel.

[START/STOP ►■] ⇨ [ARE YOU SURE ?]

[NO ◄] [► YES]
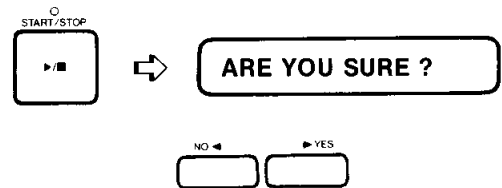
Note: When copying to a different disk, the source and target disks may have to be exchanged several times until the entire copy is complete. Follow the DOM-30's "INSERT SOURCE!" and "INSERT TARGET!" instructions until the entire song has been copied.

Note: If you incorrectly insert the source or target disk, or insert a completely different disk, the "CHANGE DISK!!" message will appear prompting you to insert the correct disk.

7-2 Deleting a Song

You can delete any song from a loaded disk as follows:

1. Select the SONG DELETE Function
Hold down the FUNCTION button and press the DISK/8 button a few times until the SONG DELETE display appears.

[SONG DELETE]

2. Select the Song to Delete.
When you release the FUNCTION button after selecting the SONG DELETE function, the following display will appear:
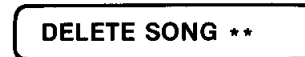
[DELETE SONG **]

Use the NO ◄ and ► YES buttons or number buttons to select the song number you wish to delete.

[NO ◄] [► YES]

3. Start the Delete Operation.
Press the START/STOP button to actually delete the selected song. To prevent accidental erasure, the DOM-30 will ask "ARE YOU SURE ?" at this point. Press the ► YES button if you want to go ahead with the delete operation, or the NO ◄ button to cancel.

7-3 Copying Disks

1. Insert the Disk to be Copied

2. Select the DISK COPY Function
Hold down the FUNCTION button and press the DISK/8 button a few times until the DISK COPY display appears.

DISK COPY

When you release the FUNCTION button after selecting the DISK COPY function, the "NOW READING ..." display will appear while the DOM-30 reads the source disk.

NOW READING ...

Then, after the DOM-30 has read as much material as will fit in its internal memory, the "INSERT TARGET!" display will appear.

INSERT TARGET !

3. Insert the TARGET Disk
Insert the target disk (the new disk to which you want to copy the material from the source disk). The "ARE YOU SURE?" display will appear, asking you to confirm that you want to write to the loaded disk (thereby erasing any previous material that may be on it). Press the ▶ YES button to continue, or the NO ◀ button to cancel the disk copy operation. The "NOW WRITING ..." display will appear while the DOM-30 writes to the new disk.

ARE YOU SURE ?

NOW WRITING ...

The normal Tempo display reappears when the copy is complete.

Note: The source and target disks may have to be exchanged several times until the entire copy is complete. Follow the DOM-30's "INSERT SOURCE!" and "INSERT TARGET!" instructions until the entire disk has been copied.

Note: If you incorrectly insert the source or target disk, or insert a completely different disk, the "CHANGE DISK!!" message will appear prompting you to insert the correct disk.

8 MIDI CONTROL

Mode/Channel Selection, Synchronization & Data Filters

The DOM-30 MIDI CONTROL functions include important functions for matching the DOM-30 MIDI channels with those of your keyboard/tone generator system, and for determining what MIDI information will or will not be recorded.

For all MIDI CONTROL functions described in this section, the functions are selected by holding the FUNCTION button and pressing the MIDI/9 button as many times as necessary until the desired function appears (the REW and FF buttons can also be used while the FUNCTION button is held). The NO ◀ and ▶ YES buttons are then used to set the selected function as required.

RCV_Mode	On	Touch_change	Off
Receive_CH	1	Key_Delay	0.0
RHY.key_No.	HIGH	Exclusive	On
Sync_Clock	INT	A.Touch	Off
Remote_In	On	Pitch_Bend	On
Remote_Out	On	Program	On
Modulation	On	Mode_MSG	On
Volume	On	Other_CNT	On
Expression	On	Pedal	On

Note: The "FILTER" functions described below do not affect Disk Orchestra Collection disk playback using the internal tone generator.

8-1 RECEIVE MODE

| RCV__Mode   On | **Settings: On, Off, Multi**
Default: On

The "On" setting (OMNI ON) turns the OMNI receive mode on, allowing MIDI voice messages received on any MIDI channel (1 through 16) to be recorded on any track of the DOM-30. When the data is played back, it is transmitted on the corresponding track number (e.g. data recorded on track 3 is transmitted on MIDI channel 3).

The "Off" setting (OMNI OFF) turns the OMNI receive mode off so that only MIDI voice messages received on the MIDI channel specified by the RECEIVE CHANNEL function (described below) can be recorded. The received data can be recorded to any DOM-30 record track. When the data is played back, it is transmitted on the corresponding track number (e.g. data recorded on track 3 is transmitted on MIDI channel 3).

When the "Multi" setting is selected, only MIDI voice messages received on the MIDI channel number corresponding to the current DOM-30 record track number (1 through 10, or 15) will be recorded, regardless of the setting of the RECEIVE CHANNEL function (below). For example, in the Multi receive mode if record track 5 is selected, only MIDI voice messages received on MIDI channel 5 will be recorded.

8-2 RECEIVE CHANNEL

| Receive__CH   1 | **Settings: 1 — 16**
Default: 1

This function sets the DOM-30 MIDI receive channel to any channel between 1 and 16. The RECEIVE CHANNEL setting is only effective when the OMNI OFF ("Off") RECEIVE MODE (see the RECEIVE MODE function, above) is selected.

8-3 RHYTHM KEY NUMBER

| RHY.key__No.   HIGH | **Settings: HIGH, LOW**
Default: HIGH

This function re-assigns the DOM-30 rhythm (percussion) voices to a lower area of the keyboard so that the percussion voices can be played from 76-key keyboards. The following chart shows the percussion voice assignments in the HIGH and LOW modes:

Percussion Voice Assignments

HIGH Note (MIDI Note No.)	Instrument	LOW Note (MIDI Note No.)
F#2 (54)	BRUSH ROLL	F#0 (30)
G#2 (56)	HI-HAT CLOSED HEAVY	G#0 (32)
A#2 (58)	CRASH CYMBAL LIGHT	A#0 (34)
B2 (59)	BASS DRUM LIGHT	B0 (35)
C3 (60)	SNARE DRUM + RIM HEAVY	C1 (36)
C#3 (61)	RIDE CYMBAL CUP	C#1 (37)
D3 (62)	SNARE DRUM + RIM LIGHT	D1 (38)
F3 (65)	BASS DRUM	F1 (41)
F#3 (66)	RIM SHOT	F#1 (42)
G3 (67)	SNARE DRUM HEAVY	G1 (43)
G#3 (68)	BRUSH SHOT	G#1 (44)
A3 (69)	SNARE DRUM LIGHT	A1 (45)
A#3 (70)	HI-HAT PEDAL	A#1 (46)
B3 (71)	SNARE DRUM ECHO	B1 (47)
C4 (72)	TOM 4	C2 (48)
C#4 (73)	HI-HAT CLOSED	C#2 (49)
D4 (74)	TOM 3	D2 (50)
D#4 (75)	HI-HAT OPEN	D#2 (51)
E4 (76)	TOM 2	E2 (52)
F4 (77)	TOM 1	F2 (53)
F#4 (78)	RIDE CYMBAL	F#2 (54)
G4 (79)	ELECTRONIC TOM 3	G2 (55)
G#4 (80)	CRASH CYMBAL	G#2 (56)
A4 (81)	ELECTRONIC TOM 2	A2 (57)
A#4 (82)	CRASH CYMBAL	A#2 (58)
B4 (83)	ELECTRONIC TOM 1	B2 (59)
C5 (84)	CONGA LOW	C3 (60)
C#5 (85)	CABASA	C#3 (61)
D5 (86)	CONGA HIGH	D3 (62)
D#5 (87)	METRONOME	D#3 (63)
E5 (88)	BONGO	E3 (64)
F5 (89)	TIMBALE LOW	F3 (65)
F#5 (90)	CLAVES	F#3 (66)
G5 (91)	TIMBALE HIGH	G3 (67)
G#5 (92)	CASTANETS	G#3 (68)
A5 (93)	CUICA LOW	A3 (69)
A#5 (94)	COWBELL	A#3 (70)
B5 (95)	CUICA HIGH	B3 (71)
C6 (96)	HAND CLAPS	C4 (72)
C#6 (97)	AGOGO LOW	C#4 (73)
D#6 (99)	AGOGO HIGH	D#4 (75)
E6 (100)	BONGO LOW	E4 (76)
F6 (101)	ELECTRONIC TOM 2	F4 (77)
F#6 (102)	TAMBOURINE	F#4 (78)
G6 (103)	CRASH CYMBAL	G4 (79)
G#6 (104)	TRIANGLE CLOSED	G#4 (80)
A6 (105)	BRUSH ROLL	A4 (81)
A#6 (106)	TRIANGLE OPEN	A#4 (82)

8-4 SYNC CLOCK

| Sync_Clock   INT | Settings: INT, EXT
Default: INT |

Determines whether the DOM-30 is driven by its own internal clock or an external MIDI clock received via the MIDI IN connector. The default INT (INTERNAL) setting is appropriate for most applications.
If you want to synchronize the timing of the DOM-30 to a second MIDI disk recorder, drum machine or other device that does transmit MIDI clock information, the controlling device must be connected to the DOM-30 MIDI IN connector and the SYNC CLOCK function should be set to EXT (EXTERNAL).

8-5 REMOTE IN

| Remote_In   On | Settings: On, Off
Default: On |

Determines whether MIDI START, STOP, CONTINUE, SONG POSITION, and SONG SELECT messages are received by the DOM-30. All these messages are received when this function is "On," but are ignored by the DOM-30 when the setting is "Off."

8-6 REMOTE OUT

| Remote_Out   On | Settings: On, Off
Default: On |

Determines whether MIDI START, STOP, CONTINUE, SONG POSITION, SONG SELECT, and TIMING CLOCK messages are transmitted by the DOM-30. All these messages are transmitted when this function is "On." None are transmitted when the setting is "Off."

Note: START, STOP and CONTINUE messages are not sent during Disk Orchestra Collection and Disklavier disks (PianoSoft) even if this function is turned "On."

8-7 MODULATION FILTER

| Modulation   On | Settings: On, Off
Default: On |

Determines whether MIDI modulation data (01 and 21 hexadecimal) are received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."
Modulation data contains information on keyboard modulation wheel, controller or breath controller operations. If you don't want the DOM-30 to record or reproduce any modulation effects, turn this function "Off."

8-8 VOLUME FILTER

| Volume   On | Settings: On, Off
Default: On |

Determines whether MIDI volume data (07 and 27 hexadecimal) are received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."
Volume data contains information on keyboard volume control operations. If you don't want the DOM-30 to record or reproduce any volume changes, turn this function "Off."

8-9 EXPRESSION FILTER

| Expression   On | Settings: On, Off
Default: On |

Determines whether MIDI expression data (0B and 2B hexadecimal) is received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."
Expression data contains information on expression pedal or controller operations. If you don't want the DOM-30 to record or reproduce any expression pedal operations, turn this function "Off."

8-10 PEDAL FILTER

| Pedal   On | Settings: On, Off
Default: On |

Determines whether MIDI pedal data (40, 42 and 43 hexadecimal) is received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."
Pedal data contains information on keyboard pedal operations (damper, soft, sostenuto). If you don't want the DOM-30 to record or reproduce any pedal operations, turn this function "Off."

8-11 OTHER CONTROL CHANGE FILTER

| Other_CNT   On | Settings: On, Off
Default: On |

Determines whether MIDI control change data other than that described in 8-7, 8-8, 8-9 and 8-10 above is received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."

8-12 MODE MESSAGE FILTER

Mode_MSG	On

Settings: On, Off
Default: On

Determines whether MIDI mode messages are received and transmitted by the DOM-30. These messages are handled when this function is "On," but are neither transmitted or received when the setting is "Off."
Mode messages affect the MIDI OMNI On/Off status, mono/poly mode switching and related settings. If you don't want the DOM-30 to record or reproduce this type of data, turn this function "Off."

8-13 PROGRAM CHANGE FILTER

Program	On

Settings: On, Off
Default: On

Determines whether MIDI program change messages are received and transmitted by the DOM-30. These messages are handled when this function is "On," but are neither transmitted or received when the setting is "Off."
Program change messages primarily deal with voice selection. If you don't want the DOM-30 to record or reproduce any voice selection changes, turn this function "Off."

8-14 PITCH BEND CHANGE FILTER

Pitch_Bend	On

Settings: On, Off
Default: On

Determines whether MIDI pitch bend change messages are received and transmitted by the DOM-30. These messages are handled when this function is "On," but are neither transmitted or received when the setting is "Off."
Pitch bend change messages obviously deal with pitch-bend control. If you don't want the DOM-30 to record or reproduce any pitch bends, turn this function "Off."

8-15 AFTER TOUCH FILTER

A.Touch	Off

Settings: Off, Key, Ch, Both
Default: Off

Determines whether MIDI after touch messages are received and transmitted by the DOM-30, and the particular type of after touch data handled when after touch reception and transmission is on. No after touch data is received or transmitted when this function is "Off."
The "Key" setting allows reception of polyphonic key pressure type after touch data.
The "Ch" setting allows reception and transmission of channel pressure type after touch data.
The "Both" setting allows reception and transmission of both of the above-mentioned after touch data types.

8-16 EXCLUSIVE FILTER

Exclusive	On

Settings: On, Off
Default: On

Determines whether MIDI system exclusive data (keyboard panel settings, etc) is received and transmitted by the DOM-30. This data is handled when this function is "On," but is neither transmitted or received when the setting is "Off."
System exclusive messages generally contain information relating to panel control settings, voice data, etc. If you don't want the DOM-30 to record or reproduce this type of data, turn this function "Off."

8-17 TONE GENERATOR OUTPUT DELAY

Key_Delay	0.0

Settings: 0 – 500
Default: 0

This function delays tone generator output by a specified amount. Adjustment is made in 2.5 millisecond steps from 0 to 500 milliseconds.

Note: When the tone generator output is delayed, the DOM-30 measure display, beat lamp and metronome sound will be out of synchronization with the playback sound.

8-18 TOUCH CHANGE

Touch_change	Off

Settings: Off, On
Default: Off

This is a special function which modifies the note velocity values of data played back from Disk Orchestra Collection and Disklavier disks to match the velocity response of older Clavinova models. Set this function "On" to achieve the best response with Disk Orchestra Collection/Disklavier disks and the following Clavinova models:
CLP-20, CLP-30, CLP-50, CLP-100, CLP-200, CLP-300, CLP-500
CVP-3, CVP-5, CVP-6, CVP-7, CVP-8, CVP-10

Note: The Touch Change function can also be turned on by holding down the FUNCTION button while switching the power ON.

9 MIDI DATA FORMAT

If you're already very familiar with MIDI, or are using a computer to control your music hardware with computer-generated MIDI messages, the data provided in this section can help you to control the DOM-30.

1. NOTE ON/OFF
Data format: [9nH] → [kk] → [vv]

9nH = Note ON/OFF event (n = channel number)
kk = Note number (0 ~ 127 = C-2 ~ G8)
vv = Velocity (Key ON = 1 ~ 127. Key OFF = 0)

* Note OFF event format [8nH] → [kk] → [vv] also recognized.

2. POLYPHONIC KEY PRESSURE (AFTER TOUCH)

Data format: [AnH] → [kk] → [vv]

AnH = Polyphonic After Touch event (n = channel number)
kk = Note number (0 ~ 127 = C-2 ~ G8)
vv = Pressure value (0 ~ 127)

* Reception/transmission of this data can be turned ON or OFF using the MIDI CONTROL mode AFTER TOUCH FILTER function.

3. CONTROL CHANGE & MODE MESSAGES

Data format: [BnH] → [cc] → [dd]

BnH = Control event (n = channel number)
cc = Control number
dd = Control value

(1) Control Change

If the byte format is correct, all control change message can be recorded.

(2) Mode Message

cc	PARAMETER	dd
79H	Reset all controllers	0
7AH	Local ON/OFF	0 = OFF; 7FH = ON
7BH	All notes OFF	0
7CH	OMNI OFF/All notes OFF	0
7DH	OMNI ON/All notes OFF	0
7EH	Mono mode ON/All notes OFF	0
7FH	Mono mode OFF/All notes OFF	0

* "Reset All Controllers" and "All Notes Off" not recorded when the receive mode is set to OMNI ON.

** DOM-30 receive mode not affected by [7CH] or [7DH] messages.

*** Reception/transmission of this data can be turned ON or OFF using the MIDI CONTROL mode MODE MESSAGE FILTER function.

4. PROGRAM CHANGE

Data format: [CnH] → [dd]

CnH = program event (n = channel number)
dd = Program number

* Reception/transmission of this data can be turned ON or OFF using the MIDI CONTROL mode PROGRAM CHANGE FILTER function.

5. CHANNEL PRESSURE (AFTER TOUCH)

Data format: [DnH] → [vv]

DnH = Polyphonic After Touch event (n = channel number)
vv = Pressure value (0 ~ 127)

* Reception/transmission of this data can be turned ON or OFF using the MIDI CONTROL mode AFTER TOUCH FILTER function.

6. PITCH BENDER DATA

Data format: [EnH] → [cc] → [dd]

EnH = Pitch Bender event (n = channel number)
cc = Least significant byte
dd = Most significant byte

* Reception/transmission of this data can be turned ON or OFF using the MIDI CONTROL mode PITCH BEND CHANGE FILTER function.

7. SYSTEM COMMON MESSAGES

(1) Song Position Pointer

Data format: [F2H] → [11H] → [hhH]

F2H = Song Position Pointer
11H = Least significant byte
hhH = Most significant byte
1 beat = 6 MIDI clocks

* Transmitted when the REW or FF buttons are used during STOP or PAUSE.

** When received during STOP, the internal pointer is moved to the corresponding position and playback will start from that point when the START/STOP button is pressed.

(2) Song Select

Data format: [F3H] → [ddH]

F3H = Song Select
ddH = Song number

* Transmitted whenever a DOM-30 SONG NUMBER is selected.

** If received during STOP, the corresponding SONG NUMBER will be selected.

8. SYSTEM REALTIME MESSAGES

(1) Timing Clock (F8H)

Transmitted during all run modes. Used as 1/96th-beat timing clock when DOM sync mode set to EXT (external).

(2) Start (FAH)

Transmitted when run started from beginning of song. Causes run from beginning of song when received.

(3) Continue (FBH)

Transmitted when a "continue start" occurs. Reception causes a continue start.

(4) Stop/Pause (FCH)

Transmitted when a stop/pause occurs. Causes stop/pause when received.

(5) Active Sensing (FEH)

Transmitted every 200 milliseconds. If not received for more than 400 milliseconds a NOTE OFF occurs.

9. SYSTEM EXCLUSIVE MESSAGES

All system exclusive messages recorded during RECORD. Blocks greater than 1Kbyte, however, can only be recorded as initial data during REC READY mode.

(1) Name Data/Bulk Data Request

Name data is transmitted when this data is received.

Status	11110000(F0H)	"System Exclusive"
ID No.	01000011(43H)	"Yamaha"
Substatus	0010nnnn(2nH)	n = 0(channel 1)-15(channel 16)
Format No.	01111101(7DH)	
EOX	11110111(F7H)	

(2) Name data

This data is transmitted when a Name Data/Bulk Data request is received.

Status	11110000(F0H)	"System Exclusive"
ID No.	01000011(43H)	"Yamaha"
Substatus	0000nnnn(0nH)	n = 0(channel 1)-15(channel 16)
Format No.	01111101(7DH)	
Byte Count (MSB)	00000000(00H)	
Byte Count (LSB)	00010000(10H)	
	01010011(53H)	"S"
	01001011(48H)	"K"
	00100000(20H)	"space"
	00100000(20H)	"space"
	00110010(32H)	"2"
	00110001(31H)	"1"
	00110111(37H)	"7"
	00110101(35H)	"5"
	00100000(20H)	"space"
	00100000(20H)	"space"
Version No.	0bbbbbbb	
	0bbbbbbb	
	00100000(20H)	"space"
	00100000(20H)	"space"
	00100000(20H)	"space"
	00100000(20H)	"space"
Checksum	0eeeeeee	
EOX	11110111(F7H)	

(3) Reverb Switch

Reverb switching occurs when this message is received.

Status	11110000(F0H)	"System Exclusive"
ID No.	01000011(43H)	"Yamaha"
ID No.	01110011(73H)	"Clavinova"
ID No.	00000001(01H)	"Common Device ID"
Special Operation Code	00010001(11H)	
Substatus	0010nnnn(2nH)	n = 0(channel 1)-15(channel 16)
Control No.	01011001(59H)	"Reverb"
Control Value	0000vvvv	v = 0(OFF), 1(ROOM), 2(HALL 1), 3(HALL 2), 4(COSMIC).
EOX	11110111(F7H)	

● The above covers all MIDI data available for general use.

	DOM-30
Voices	PIANO 1, PIANO 2, HONKY TONK PIANO, E.PIANO 1, E.PIANO 2, E.PIANO 3, E.PIANO 4, SYNTH PIANO, CELESTA, MARIMBA, BAMBOO MARIMBA, KALIMBA, VIBES, MUSIC BOX, SYNTH CRYSTAL, CLAVI, SYNTH CLAVI, JAZZ ORGAN 1, JAZZ ORGAN 2, ROCK ORGAN, PIPE ORGAN, FOLK GUITAR, 12 STR.GUITAR, ACOU.GUITAR, JAZZ GUITAR, ROCK GUITAR 1, ROCK GUITAR 2, DISTORTION GUITAR, MUTE GUITAR, BANJO, SITAR, HARP, KOTO, HARPSICHORD 1, HARPSICHORD 2, HARPSICHORD 3, E.BASS 1, E.BASS 2, E.BASS 3, SLAP BASS, SYNTH BASS 1, SYNTH BASS 2, SYNTH BASS 3, UPRIGHT BASS 1, UPRIGHT BASS 2, UPRIGHT BASS 3, VIOLIN/CELLO, PIZZICATO, STRINGS 1, STRINGS 2, SYNTH STRINGS 1, SYNTH STRINGS 2, ORCHESTRA HIT, TRUMPET/TROMBONE, MUTE TRUMPET, HORN, BRASS 1, BRASS 2, SYNTH BRASS 1, SYNTH BRASS 2, SYNTH BRASS 3, SAX, CLARINET, RECORDER, FLUTE, PAN FLUTE, OBOE, BASSOON, BAGPIPE, HARMONICA, ACCORDION, SYNTH 1, SYNTH 2, SYNTH 3, SYNTH 4, SYNTH 5, DRUMS, TIMPANI/STEEL DR, AFRICAN PERCUS, GAMELAN, CHOIR, SYNTH VOX 1, SYNTH VOX 2, OW!, AQUA, LANDSCAPE, ICE BLOCK, CRYSTAL BLOCK, SAMBA WHISTLE, BIRDS, HAMMER SHOT, INVADER, SHOCK ALARM, WATER DROP, EMERGENCY, ZING, RACING CIRCUIT, SCRAPE, CONSTRUCTION, WAVE
Percussion Instruments	BRUSH ROLL, HI-HAT CLOSED HEAVY, CRASH CYMBAL LIGHT, BASS DRUM LIGHT, SNARE DRUM + RIM HEAVY, RIDE CYMBAL CUP, SNARE DRUM + RIM LIGHT, BASS DRUM, RIM SHOT, SNARE DRUM HEAVY, BRUSH SHOT, SNARE DRUM LIGHT, HI-HAT PEDAL, SNARE DRUM ECHO, TOM 4, HI-HAT CLOSED, TOM 3, HI-HAT OPEN, TOM 2, TOM 1, RIDE CYMBAL, ELECTRONIC TOM 3, CRASH CYMBAL, ELECTRONIC TOM 2, ELECTRONIC TOM 1, CONGA LOW, CABASA, CONGA HIGH, METRONOME, BONGO, TIMBALE LOW, CLAVES, TIMBALE HIGH, CASTANETS, CUICA LOW, COWBELL, CUICA HIGH, HAND CLAPS, AGOGO LOW, AGOGO HIGH, BONGO LOW, TAMBOURINE, TRIANGLE CLOSED, TRIANGLE OPEN
Number of simultaneous Notes	Voices: 16-note polyphony Percussion Instruments: 8-note polyphony
Reverb	ROOM, HALL 1, HALL 2, COSMIC
Recording Media	3.5 inch microfloppy disks (2DD)
Memory Capacity	700Kbytes/60 songs maximum
Controls	SONG SELECT, PLAY TRACK SELECT (RIGHT/1, LEFT/2, ORCH/3-10, RHYTHM/15), PHRASE REPEAT, METRONOME, PUNCH IN/OUT, START/STOP, PAUSE, REW, FF, RECORD, REVERB, FUNCTION, NO ◀/▶ YES, TRACK/0, TEMPO/1, VOICE/2, VOLUME/3, BEAT/4, QUANTIZE/5, TRANSPOSE/6, TUNE/7, DISK/8, MIDI/9, MASTER VOLUME, SEND CHANNEL 1-2/ALL
Display	16-character Liquid Crystal Display
Other Components	POWER switch, disk drive, eject button
Connectors	MIDI (IN/OUT/THRU), DC IN, FOOT SW., LINE OUT L/R
Nominal Output Level	+4 dBm or 3V p-p max.
Power Supply	DC IN (9-12V), Power Adapter (PA-4/PA-40 or PA-5)
Maximum Current	1A
Dimensions (W × H × D)	310 × 84 × 245 mm (12-1/5" × 3-2/7" × 9-1/4")
Weight	2.0 kg (4.4 lbs)
Supplied Accessories	MIDI cable × 1, Connecting Cord × 1
Option	Power Adapter (PA-4/PA-40 or PA-5) The PA-4/PA-40 AC Adapter is supplied with the DOM-30 in some areas.

* Specifications subject to change without notice.
* Änderungen ohne Vorankündigung vorbehalten.
* Sous toute réserve de modification des caractéristiques sans préavis.
* Especificationes sujetas a cambios sin previo aviso.

YAMAHA [Disk Orcestra Module   ]   Date : 10/12 1989
   Model DOM-30 MIDI Implementation Chart   Version : 1.0

Function		Transmitted	Recognized	Remarks
Basic Default		all channel	1	
Channel Changed		X	1-16	
Mode Default			1	
Messages		OMNIon,OMNIoff	OMNIon,OMNIoff	*1 *2
		POLY,MONO	POLY,MONO	*1 *2
Note		0-127	0-127	*1
Number : True voice		**************	21-108	*3
Velocity Note on		O 9nH v=1-127	O	*1 *3
Note off		O 9nH v=0, 8nH	O	*1
After Key's		O	O	*1 *2
Touch Ch's		O	O	*1 *2
Pitch Bender		O	O	*1 *2 *3
	0-120	O	O	*1 *2
	01	O	O	Modulation *3
Control	07	O	O	Volume *3
	11	O	O	Expression *3
Change	64	O	O	Damper *3
	66	O	O	Sostenuto *3
	67	O	O	Soft Pedal *3
	121	O	O	*4:Reset All
				: Controllers
				: *1 *2 *3
Program		O 0-99	O 0-99	*1 *2 *3
Change : True #		*************	0-99	
System Exclusive		O	O	*1 *2 *3
System : Song Pos		O	O	*2
: Song Sel		O	O	*2
Common : Tune		X	X	
System :Clock		O	O	*2
Real Time :Commands		O	O	*2
Aux :Local ON/OFF		O	O	*1 *2
:All Notes OFF		O	O	*4: *1 *2 *3
Mes- :Active Sense		O	O	
sages :Reset		X	X	

Notes	
	*1 Recognized and transmitted as record data.
	*2 Enabled or disabled by command.
	*3 Recognized by sound module section
	*4 Recognized if Recieve_Mode is off.

Mode 1 : OMNI ON, POLY   Mode 2 : OMNI ON, MONO   O : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF, MONO   X : No

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the manufacture of this product contains LEAD. In addition, the electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT REMOVE ANY ENCLOSURE COMPONENTS! There are no user serviceable parts inside. All service should be performed by a service representative authorized by Yamaha to perform such service.

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* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

Wichtiger Hinweis für die Benutzung in der Bundesrepublik Deutschland.

Bescheinigung des Importeurs

Hiermit wird bescheinigt, daß der/die/das

Disk Orchestra Module Typ: DOM-30

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der VERFÜGUNG 1046/84

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Yamaha Europa GmbH

Name des Importeurs

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Cet appareil est conforme aux prescriptions de la directive communautaire 87/308/CEE.

Diese Geräte entsprechen der EG-Richtlinie 82/499/EWG und/oder 87/308/EWG.

This product complies with the radio frequency interference requirements of the Council Directive 82/499/EEC and/or 87/308/EEC.

Questo apparecchio è conforme al D.M.13 aprile 1989 (Direttiva CEE/87/308) sulla soppressione dei radiodisturbi.

Este producto está de acuerdo con los requisitos sobre interferencias de radio frequencia fijados por el Consejo Directivo 87/308/CEE.

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