Playing the D-05 via MIDI or USB

Using the D-05 in conjunction with the K-25m keyboard unit (sold separately)

G [POWER] switch
A Micro USB (B) [VOLUME] knob

* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume normal and does not indicate a malfunction.
* To prevent malfunction and equipment failure, always turn down the volume, and turn off all

Connecting Your Equipment

To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

Micro USB (~) port
Connect this port to your computer. It can be used to transfer USB MIDI and USB audio data. You must install the USB driver when connecting the D-05 to your computer. Download the USB driver from the Roland website. For details, refer to the README.htm which is included in the download.

Do not use micro USB cable that is designed only for charging. Device-only cables cannot transmit data.

[VOLUME] knob
Adjusts the volume.

PHONES jack
Connect headphones (sold separately) here.

OUTPUT jack
Connect this jack to your amp or monitor speakers.

MIX IN jack
This is the audio input jack. Sound from the connected device is output from the OUTPUT jack and PHONES jack.

MIDI jack
You can play the D-05 by connecting a MIDI device via a commercially available MIDI cable.

Turning the D-05 On

[POWER] switch
This turns the power on/off.

* After you made connections correctly, be sure to turn on the power in the order of the D-05 first, and then the connected system. Powering on in the incorrect order may cause malfunctions or damage. When turning the power off, power-off the connected system first, and then the D-05.

* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

* The D-05 automatically powers off when a specified length of time has elapsed since it was last played or operated (the Auto Off function). If you don’t want the power to turn off automatically, disable the Auto Off function.

* When the power is turned off, any settings you were editing will be lost. You must save settings that you want to keep.

* To restore power turn the power on again.

How the Sound Engine Is Structured

Patch

A patch contains sound data and data for the performance functions. Multiple patches can be saved in patch memory, and freely recalled while you perform.

On the D-05, a patch consists of two sounds (the upper tone and lower tone), settings that specify how they are played, and settings such as keyboard mode, output mode, and reverb.

How the Sound Engine Is Structured

The upper and lower tones each consist of two "partials" (sound sources) and common settings that specify the overall structure.

The common settings include the type selections for the two partials, how the two partials are combined (the "structure"), and settings such as LFO, pitch envelope, equalizer, and chorus.

Partial

A "partial" is the most basic unit of sound on D-05. There are two types of partial: a synthesizer sound generator and a PCM sound generator. Synthesizer type partials provide a PTV (Time Variant Filter) and a TV, and PCM type partials provide a TV (Time Variant Amplifier).

Tone

The upper and lower tones each consist of two "partials" (sound source) and common settings that specify how the partials are combined. The common settings include the type selections for the two partials, how the two partials are combined (the "structure"), and settings such as LFO, pitch envelopes, equalizer, and chorus.

Ribbon controller (C1/C2)
These are touch-type ribbon controllers. C1 (left) is pitch bend, and C2 (right) is modulation.

1. If a K-25m keyboard unit, USB, or MIDI are not connected, touching the C1 controller plays a preview sound.

2. Alternatively, you can also use the ribbon controller as follows:

3. Press the [FUNCTION] button, then select "PATCH BROWSER" in the function menu.

4. Select the patch bank, then select the patch you want to edit.

5. Select the ribbon controller as the parameter to edit.

6. Perform the desired operation using the ribbon controller.

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Tone

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Basic Operation

【F1】【F2】 Buttons

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Off mode</td>
</tr>
<tr>
<td>ON</td>
<td>Off mode</td>
</tr>
</tbody>
</table>

PARTIAL SELECT

【F3】【F4】 【F5】 【F6】 Partial select buttons

Partials that produce sound are lit; muted partials are unlit.

PATCH BANK

【F1】~【F8】

Set the bank number.

PATCH NUMBER

【1】~【8】

Set the patch number.

The PATCH BANK number and the PATCH NUMBER buttons indicate the bank and number of the patch or pattern.

Partial select/partial mute (during editing)

PARTIAL SELECT: Buttons corresponding to the selected partials are lit; other buttons are unlit.

PARTIAL MUTE: Banks that produce sound are lit; muted banks are unlit.

SEQUENCER

These indications appear during editing.

Press to turn on/off steps that produce sound or that are unlit steps.

Steps that produce sound are lit; muted steps are unlit.

DURING STEP REC (step recording)

In the SEQ MAIN screen, hold down the [SHIFT] button and press the 【F1】 button to access the STEP REC screen.

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**Function Menu**

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pattern</td>
<td>Selects the pattern or patch.</td>
</tr>
<tr>
<td>Sheet</td>
<td>Selects the type of sheet.</td>
</tr>
<tr>
<td>Title</td>
<td>Specifies the title of one step.</td>
</tr>
<tr>
<td>Hold</td>
<td>If this is on, the arpeggio continues playing according to the chord you had been playing even after you release your hands.</td>
</tr>
</tbody>
</table>

---

**Function (sequence)**

- **FUNCTION**
- **FUNCTION MENU**
- **FUNCTION MENU (device)**
- **FUNCTION MENU (device)**

**Partially mute:** Partially that produces sound is lit; muted partials are unlit.

**Partially mute:** Partially that produces sound is lit; muted partials are unlit.

**Other Operations**

- **WRITE**
- **WRITE**
- **WRITE**
- **WRITE**

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**MIDI (USB)**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH IOS</td>
<td>Specifies the CH IOS mode.</td>
</tr>
</tbody>
</table>

**Output messages:**

- **OUTPUT**

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**Fixed Battery Operation Mode**

This mode prevents the unit from switching to bus power even if it is connected to a USB port. This allows the unit to be used even with a USB port that does not supply power.

**Main Specifications**

- **Power Supply**
- **Power Supply**
- **Power Supply**

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