OPEN DECK

Owner's Manual

What are Add-On Effects?

Add-On Effects are software packages that install additional high-quality effects programs on digital consoles.



Studio Manager Open Deck Window

What is Open Deck?

Open Deck is an Add-On Effects package.
It emulates the tape compression created by two open reel tape recorders (a recording deck and a reproduction deck). You can change the sound quality by adjusting various elements, such as the deck type, tape quality, playback speed, etc.

What is VCM (Virtual Circuitry Modeling)?

VCM is a technology that enables the creation of models of element levels in analog circuits (such as resistors and capacitors).
This technology was developed by an engineering group led by Mr. Kunimoto, an engineer who developed the first physical modeling synthesizers, VL1 and VP1. Open Deck utilizes VCM technology.

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Installing Open Deck

See the Add-On Effects Installation Guide for more information on installing Open Deck.

Using Open Deck

As with other effects, you can recall and edit the Open Deck program on the console or in Studio Manager. The basic operation is as follows:

1 Select one of the internal effects processors.

2 Patch the signal to and from the currently selected effects processor.

3 Locate the Effects Library page.

4 Select and recall Open Deck.

NOTE When you recall the program, all effects processor outputs will be muted temporarily.

5 Locate the Effects Edit page.

6 Set the parameters. (See the "Part Names and Functions" section for more information on Open Deck parameters.)

The procedure for recalling and editing Open Deck varies depending on the console you are using. Refer to the Owner's Manual that came with your console for more information.

Editing Parameters in Studio Manager

In Studio Manager, editable parameters appear in both the Open Deck window and the Generic Editor window. Basically, the Open Deck window enables you to edit Open Deck specific parameters, and the Generic Editor window enables you to edit parameters common to Open Deck and other Effects.
Refer to the Studio Manager Owner's Manual for your console for more information on the Generic Editor window.

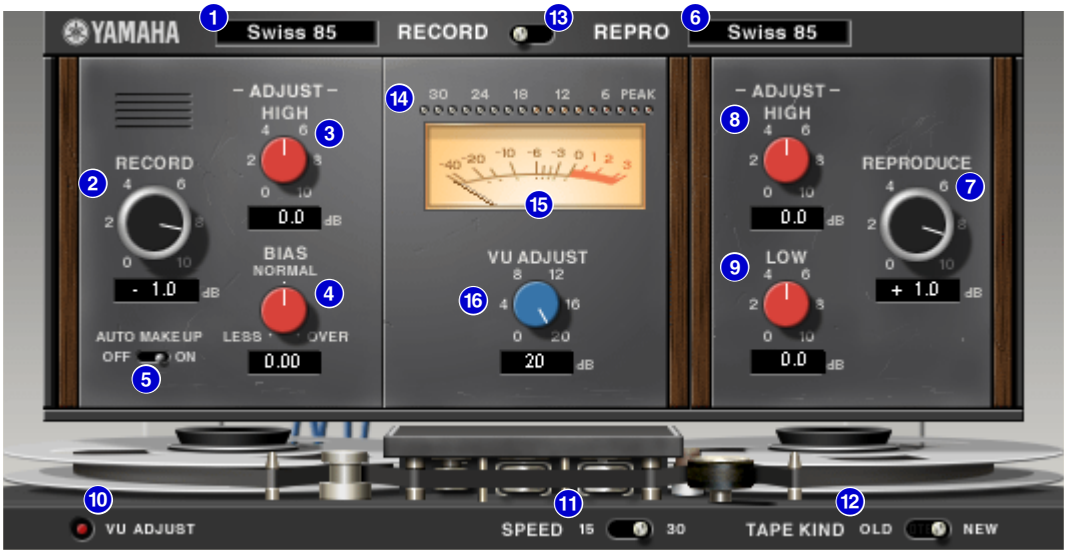


Studio Manager Generic Editor Window

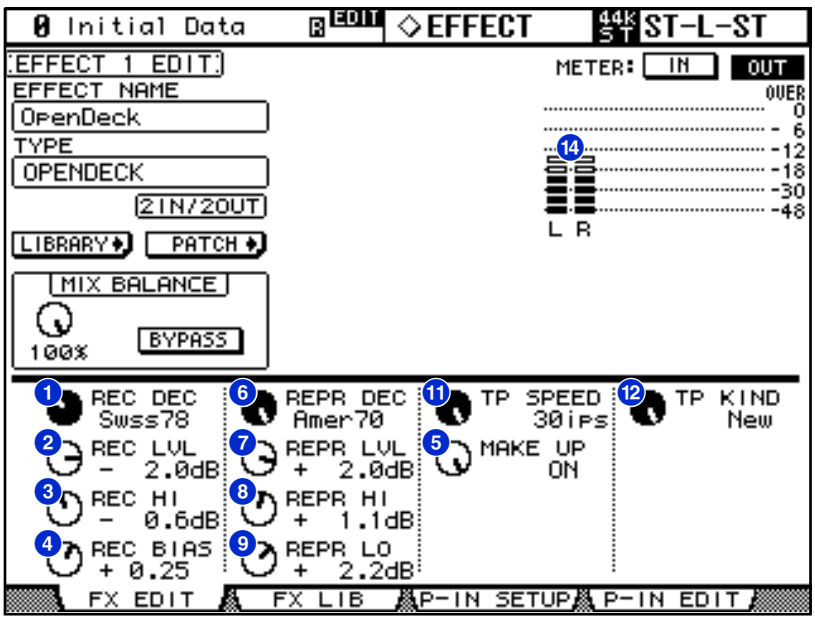
Part Names and Functions

Open Deck consists of the following main sections:

- Recording deck section (page 4)
- Reproduction deck section (page 5)
- Open reel tape section (page 6)
- Meter section (page 7)



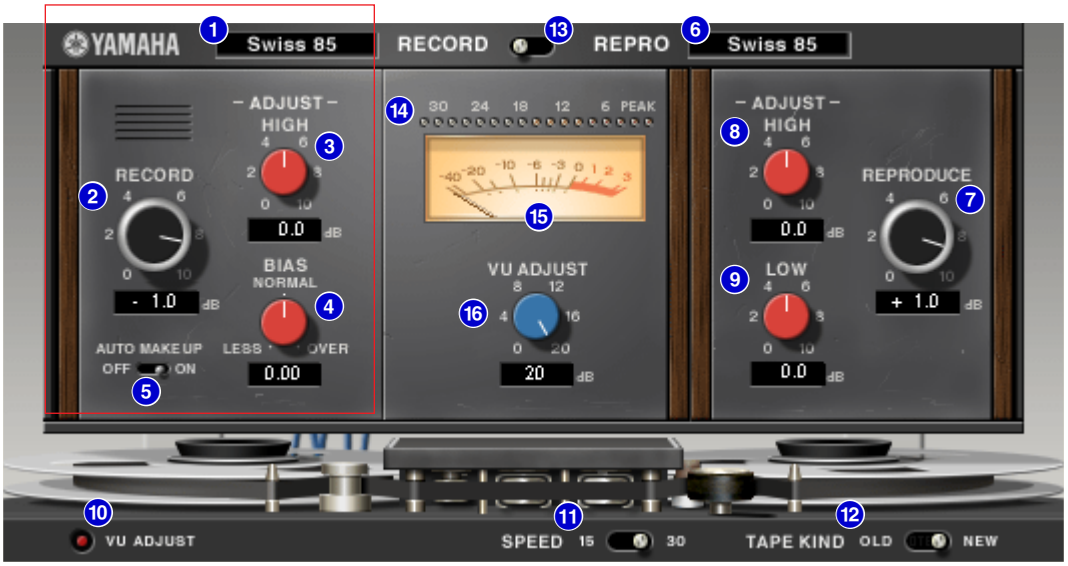
Studio Manager Open Deck Window

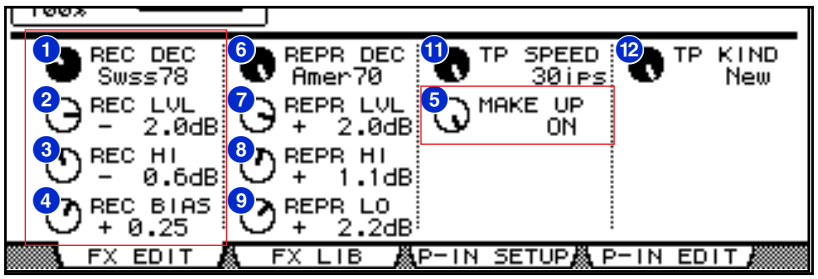


Console screen (This is a DM2000 screen.)

In the following section:
Functions marked with Studio Manager are available in Studio Manager.
Functions marked with Console are available on the console.

Recording deck section





❶ [REC DEC] Studio Manager Console

Selects the recording deck type.

NOTE You can select from four deck types: Swiss70, Swiss78, Swiss85, and America70.

❷ [RECORD]/[REC LVL] control Studio Manager Console

Adjusts the input level of the recording deck. As you raise the level, tape compression is generated, which narrows the dynamic range and distorts the sound.

NOTE The range is from –96.0 through +18.0 dB.

❸ RECORD:[-ADJUST- HIGH]/[REC HI] control Studio Manager Console

Adjusts the high range gain of the recording deck.

NOTE The range is from –6.0 through +6.0 dB.

4 [BIAS]/[REC BIAS] control Studio Manager Console

Adjusts the bias of the recording deck.

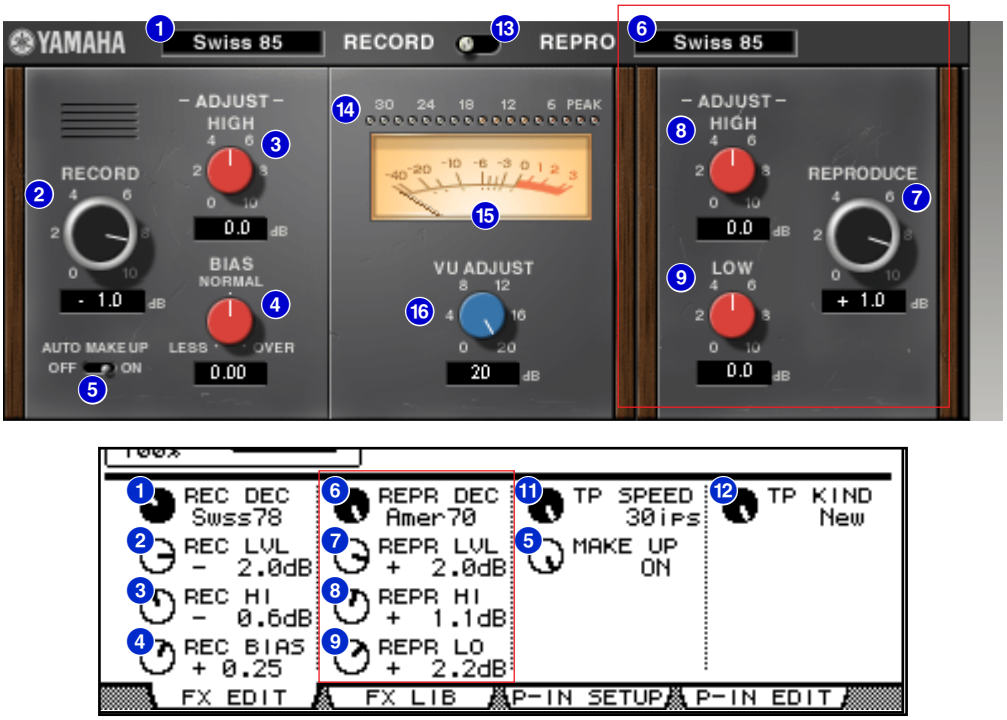
NOTE The range is from –1.00 through +1.00.

5 [AUTO MAKE UP] switch/[MAKE UP] control Studio Manager Console

If you turn on this switch or control, when you adjust the level of the recording deck (by using the **[RECORD]/[REC LVL] control**), the level of the reproduction deck (the **[REPRODUCE]/[REPR LVL] control**) reflects the change, maintaining the relative output level. You can change the amount of distortion without changing the output level.

NOTE When you change the level of the reproduction deck, this switch and control automatically turn off.

Reproduction deck section



6 [REPR DECK] Studio Manager Console

Selects the reproduction deck type.

NOTE You can select from four deck types: Swiss70, Swiss78, Swiss85, and America70.

7 [REPRODUCE]/[REPR LVL] control Studio Manager Console

Adjusts the output level of the reproduction deck.

NOTE The range is from –96.0 through +18.0 dB.

8 REPRODUCE:[-ADJUST- HIGH]/[REPR HI] control Studio Manager Console

Adjusts the high range gain of the reproduction deck.

NOTE The range is from –6.0 through +6.0 dB.

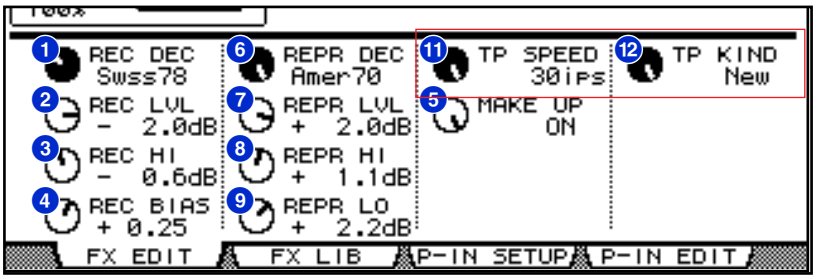
⑨ REPRODUCE:[-ADJUST- LOW]/[REPR LO] control Studio Manager Console

Adjusts the low range gain of the reproduction deck.

NOTE The range is from –6.0 through +6.0 dB.

Open reel tape section





⑩ [VU ADJUST] button Studio Manager

When you turn this button on, the **[VU ADJUST] control**, instead of the **VU meter** for Channel 2, appears in the meter section. If you turn this button off, the VU meter for Channel 2 appears.

⑪ [SPEED] switch/[TP SPEED] control Studio Manager Console

Selects the tape speed.

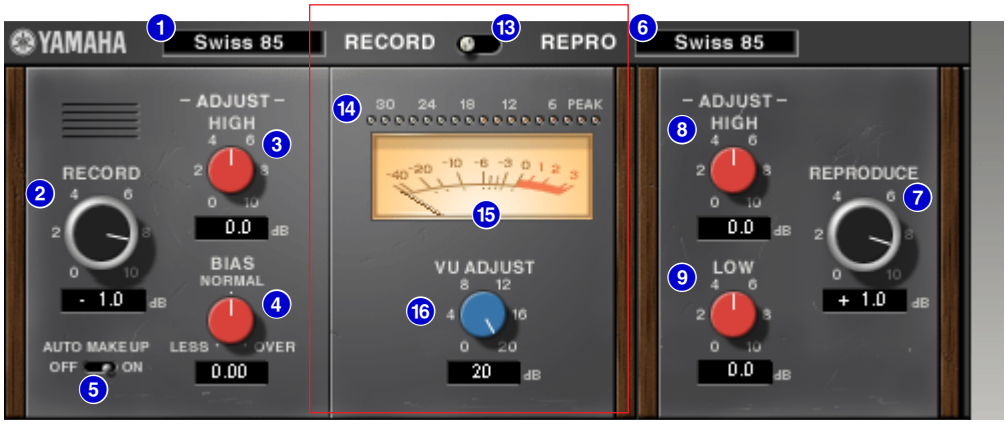
NOTE You can select either 15 ips or 30 ips.

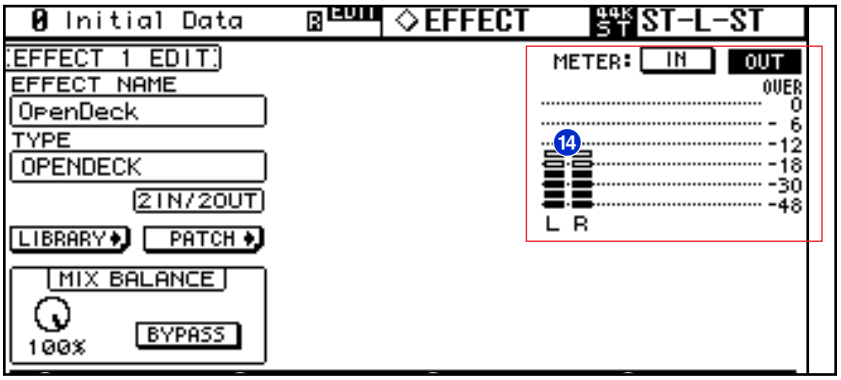
⑫ [TAPE KIND] switch/[TP KIND] control Studio Manager Console

Selects the tape type.

NOTE You can select either New or Old.

Meter section





⑬ [RECORD/REPRO] switch Studio Manager

Enables you to select RECORD (input to the recording deck) or REPRO (output from the reproduction deck) as the signals to be **monitored** via the level and **VU meters**.

⑭ Level meters Studio Manager Console

Studio Manager displays the Effects output level.
On the console, you can select the input level or output level to be displayed using the **METER: [IN][OUT] switch**.

⑮ VU meters Studio Manager

The VU meters of the deck selected by using the **[RECORD/REPRO] switch** are displayed here.
The number of VU meters varies depending on the status of the **[VU ADJUST] button**.
When the **[VU ADJUST] button** is on, the meter for one channel is displayed. When the **[VU ADJUST] button** is off, the meters for two channels are displayed.

⑯ [VU ADJUST] control Studio Manager

Specifies the level assigned to 0VU on the VU meter.
This control appears only when the **[VU ADJUST] button** is on.

NOTE The range is from 0.0 through 20.0 dB.

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