

Prophet-5/10 OS 2.0 Addendum

OS version 2.0 for the Prophet-5 and Prophet-10 adds Stack and Split capability, a new feature not covered in the main User's Guide. With this OS, the Prophet-10 (or a Prophet-5 with a voice expansion card) becomes bi-timbral and allows you to play two different sounds/programs at once. OS 2.0 also includes new voice management commands that you can access through an additional "3rd row" of Global commands.

The addendum covers these new features.

Checking Your Operating System Version

If you've just purchased your Prophet-10 new, OS 2.0 may already be installed. If not, and you want to use the new features just described, you'll need to update your OS.

To update your Prophet-10 OS, you'll need a computer and a USB cable, or a MIDI cable and MIDI interface. To download the latest version of the Prophet-10 OS along with instructions on how to perform a system update, visit Prophet-10 *Support* page of the Sequential website.

To check your OS version:

1. Turn on the Prophet-10.
2. Hold down the Globals button and press PROGRAM SELECTOR button 1. The OS version appears in the display.
3. The newest version of the OS is Main 2.0
4. If your OS is out of date, download the latest version from the Prophet-10 *Support* page of the Sequential website and update your instrument using the instructions included with the download.

IMPORTANT

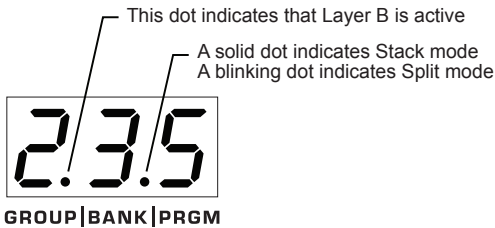
After installing the OS update, you must refresh the Prophet-10's Global parameters by holding down the RECORD button and pressing the GLOBALS button.

Using Stack and Split

With OS 2.0, the Prophet-10 (or a Prophet-5 with a voice expansion card) is now bi-timbral, allowing you to play two different sounds/programs at once. The two layers are referred to as Layer A and Layer B.

Programs that are Stacked or Split have a round LED dot next to their program numbers in the display.

- If no dots appear, the synth is in normal mode (no stack or split).
- If a solid dot appears after the middle number (BANK), Stack mode is active.
- If a blinking dot appears after the middle number (BANK), Split mode is active.
- If no dot appears after the left-most number (GROUP), Layer A is active.
- If a dot appears after the left-most number (GROUP), Layer B is active.



Stack Mode

Stacking two programs allows you to create extra complex sounds, since you can have two completely different programs layered on top of each other. Polyphony is halved in Stack mode, so the 10-voice Prophet-10 functions as a 5-voice instrument because it uses two voices for each key played.

To turn on Stack mode:

1. Select a program with the GROUP, BANK, and PROGRAM SELECT buttons. This program will be Layer A of the stack.
2. Press and hold the PRESET button. The display shows the current mode as `nor` (normal).
3. While still holding the PRESET button, press the INC/BANK SELECT button. The display changes to `5L7` indicating that the program is now in Stack mode.
4. Release the PRESET button.

To select a program for Layer B:

1. Press the PRESET button once (do not hold it down).
2. “B” appears in the display, indicating Layer B is selected. The program number of Layer B then appears.
3. Use the GROUP, BANK, and PROGRAM SELECT buttons to select the desired program for Layer B.
4. Play the Prophet-10 to audition the stack.
5. Press the PRESET button once again to return to Layer A and save the program. (See “Saving a Stack or Split Program” on page 7 for more details.)

Setting the Volume of each layer in a stack:

1. With Stack mode active, select the layer that you want to adjust. Layer A is active by default.
2. To access Layer B, press the PRESET button once. "B" appears in the display, indicating that Layer B is selected. The program number of Layer B then appears.
3. Hold down the VELOCITY button (above the AMPLIFIER section). The display shows the program volume of the current layer.
4. While still holding the VELOCITY button, press INC/DEC buttons (BANK SELECT/ GROUP SELECT) to set the desired level for the currently selected layer. If you press and hold the BANK SELECT or GROUP SELECT button, the value will continue to increase or decrease automatically, making it unnecessary to press the button repeatedly.
5. To switch to the other Layer, press the PRESET button. Repeats steps 3 and 4 to set the volume for that Layer, if desired.

To turn off Stack mode:

1. Press and hold the PRESET button, then press the DEC/GROUP SELECT button to reset the mode to *nor* (normal).
2. Release the PRESET button.

Split Mode

In split mode, playing a key on the left side of the keyboard will play the Layer A program. Playing a key on the right side will play the Layer B program. The specific key that starts the Layer B sound is called the *split point*, and is saved with the program. Polyphony is allocated equally between the two programs, with five voices available on Layer A and five voices on Layer B.

To turn on Split mode:

1. Select a program with the GROUP, BANK, and PROGRAM SELECT buttons. This program will be Layer A of the split.
2. Press and hold the PRESET button. The display shows the current mode as `nor` (normal).
3. While still holding the PRESET button, press the INC/BANK SELECT button twice. The display changes to `5PL` indicating that the program is now in Split mode.
4. Release the PRESET button.

To select a program for Layer B:

1. Press the PRESET button once (do not hold it down).
2. “B” appears in the display, indicating Layer B is selected. The program number of Layer B then appears.
3. Use the GROUP, BANK, and PROGRAM SELECT buttons to select the desired program for Layer B.
4. Press the PRESET button once again to return to Layer A and save the program. (See “Saving a Stack or Split Program” on page 7 for more details.)

To set the split point:

1. Press and hold down a key on the keyboard.
2. Hold down the PRESET button.
3. Press the INC/BANK SELECT button once. The split point is now set.
4. Release the PRESET button. (To reset the split mode, repeat steps 1-3.)

To turn off Split mode:

1. Press and hold the PRESET button, then press the DEC/GROUP SELECT button to reset the mode to NDR (normal).
2. Release the PRESET button.

Setting the Volume of each layer in a split:

1. With Split mode active, select the layer that you want to adjust. Layer A is active by default.
2. To access Layer B, press the PRESET button once. "B" appears in the display, indicating that Layer B is selected. The program number of Layer B then appears.
3. Hold down the VELOCITY button (above the AMPLIFIER section). The display shows the program volume of the current layer.
4. While still holding the VELOCITY button, press INC/DEC buttons (BANK SELECT/ GROUP SELECT) to set the desired level for the currently selected layer. If you press and hold the BANK SELECT or GROUP SELECT button, the value will continue to increase or decrease automatically, making it unnecessary to press the button repeatedly.
5. To switch to the other Layer, press the PRESET button. Repeats steps 3 and 4 to set the volume for that Layer, if desired.

To turn off Split mode:

1. Press and hold the PRESET button, then press the DEC/GROUP SELECT button to reset the mode to NDR (normal).
2. Release the PRESET button.

Saving a Stack or Split Program

Once you have created a stacked or split program you will need to save it.

To save a Stacked/Split program to the same preset location:

1. With Layer A selected/active, press the RECORD button. Its LED begins blinking.
2. Press a PROGRAM SELECTOR button (1-8) to specify the “ones” digit of the program.
3. The RECORD button LED stops blinking and the program is saved into the User sound set.

To save a Stacked/Split program to a different Group and/or Bank location:

1. With Layer A selected, press the RECORD button. Its LED begins blinking.
2. Press the GROUP button repeatedly to toggle through banks 1-5 to find the desired GROUP location.
3. Press the BANK button repeatedly to toggle through banks 1-5 to find the desired BANK location.
4. Press a PROGRAM SELECTOR button (1-8) to specify the “ones” digit of the program. The RECORD button LED stops blinking and the program is saved into the User sound set.

IMPORTANT

When you save a program, the NORMAL/STACK/SPLIT setting of the program is saved with Layer A. The program also saves a pointer to the Layer B program. However, the actual Layer B program settings (its sound parameters) are not saved as part of the Layer A program. Instead, Layer A only points to the program you have chosen as Layer B, in whatever Group and Bank it may live in your set of Prophet-10 programs. For this reason, if you edit or overwrite the individual program used for Layer B, the edited or overwritten version of the program is what will be used as Layer B.

IMPORTANT

You can save the Layer B program in a stack/split program by simply pressing the WRITE button with layer B selected and saving normally. Saving a Stack or Split Program

Poly Unison Mode

OS 2.0 adds a new “poly unison” unison mode for the Prophet-10. In this mode, two voices are allocated to each note that you play. Polyphony is halved. This means that on a Prophet-10 you can play a five-note chord with two voices (and four oscillators) stacked on each note.

To enable poly unison mode:

1. Hold down the UNISON button.
2. Use the BANK and TENS buttons (DECREMENT/INCREMENT) to set unison mode to PU2 (poly unison).
3. To return to standard unison mode, repeat steps 1-2 but choose OFF.

Five Voice Limit Mode

OS 2.0 adds a new “five voice limit” mode for the Prophet-10. In this mode voice allocation emulates a Prophet-5 and limits available polyphony to five voices.

To enable five voice limit mode:

1. Hold down the BANK button and press the GLOBALS button once to activate Page 3 of the Globals menu.
2. Press program selector button 1.
3. Use the BANK and TENS buttons (DECREMENT/INCREMENT) to set voice limit mode to ON.
4. When finished, press the GLOBALS button once to exit.
5. If you want to return to standard 10-voice mode, repeat steps 1-3 but choose OFF.

Round Robin Voice Allocation Mode

OS 2.0 adds a new “round robin voice allocation” mode. In this mode voices are allocated in the order that they are played.

To enable round robin voice allocation mode:

1. Hold down the **BANK** button and press the **GLOBALS** button once to activate Page 3 of the Globals menu.
2. Press program selector button 2.
3. Use the **BANK** and **TENS** buttons (DECREMENT/INCREMENT) to set voice allocation mode to **rr**.
4. When finished, press the **GLOBALS** button once to exit.
5. If you want to return to normal mode, repeat steps 1-3 but choose **nr**.