
SP7 Grand

This manual will give you a quick overview of the SP7 Grand.

Features of the SP7 Grand

- 2GB factory samples, 301 presets organized into 13 categories, featuring our German “D” 9 ft. Concert Grand derived from the K2700. 21 effect algorithms are available to enhance the SP7 Grand’s rich sound, including reverb, BPM–synced delay, chorus, flange, compression, various distortion types, rotary speaker, tremolo, wah–wah and eq.
- Italian 88–note, fully–weighted hammer–action keyboard (Fatar TP/110).
- 1024 x 600 pixel, high resolution 7” color LCD touch screen
- The most intuitive and convenient interface in Kurzweil's history.
- Full–color controller knobs and buttons enhance usability.
- The 2–in–2 out 24 bit/48 kHz audio interface with XLR–1/4” balanced combi inputs, easily connects to your Mac/PC via USB. Mix with the various effects on the SP7 Grand to create new sounds. Loopback functionality further expands the production capabilities.
- 256 Voices of Polyphony
- 512 Factory Multi Sounds
- Line I/O: 2 XLR combo inputs 2 pairs of stereo L/R 1/4” unbalanced outputs (main, monitor)
- 1/4” stereo headphone output.
- 2 switch pedal inputs; supports a single half–damper pedal (1 switch/sustain pedal is included; half–damper pedals sold separately) 1 continuous control pedal input (pedal sold separately)
- Product size and weight: 52” (1320mm) x 14.6” (377mm) x 4.7” (120mm) 36 lb (16.3Kg)
- Power: DC Adapter 15V, 2.5A

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Software Update

Thank you for purchasing the Kurzweil SP7 Grand Stage Piano by HDC Young Chang. This manual briefly introduces you to the fundamentals of the SP7 Grand. The manual can also be downloaded via mobile device by scanning the QR code (Global mode / Info page).

Quick Start

Check www.kurzweil.com for system updates.

Check your SP7 Grand's current OS version by going to the Global mode Info page. Compare this with the latest version posted on www.kurzweil.com and update as needed.

Setting Up the SP7 Grand

1. If your SP7 Grand has been out in the cold during shipping, give it time to warm up to room temperature before powering it on, since condensation may have formed inside.
2. Place the SP7 Grand on a keyboard stand or on a hard, flat, level surface.
3. Be sure to connect the supplied DC power adapter to the DC power jack of the SP7 Grand.
4. Connect the DC adapter power cable to the power outlet.
5. Connect the supplied switch pedal to the SW1 (Sustain) jack on the back of the instrument.
6. If you have an additional switch pedal, plug it into the SW2 jack for sostenuto control.
7. If you have a MIDI CC pedal (also known as a MIDI expression or volume pedal), plug it into the CC (VOLUME) jack for volume control.
8. If you are using speakers, turn the master volume all the way down on your amplifier or mixer. Using standard (1/4-inch) audio cables, first plug into the input jacks of your amplifier or mixer, then plug the other end of the cables into the SP7 Grand Main Out jacks (connecting in this order minimizes the possibility of static discharge damage.) For a mono signal, only use the LEFT (MONO) jack, and leave the RIGHT jack unplugged.
9. If you are using headphones, connect stereo headphones to the headphone jack on the rear panel.
10. To protect your hearing, set the volume of the instrument appropriately.

Powering on the SP7 Grand

1. When installation is complete, press the power button on the back of the device.
2. When using with speakers, adjust the volume on the mixer or amplifier appropriately.
3. Play the keyboard while turning the SP7 Grand's volume knob to find the appropriate volume. (If a volume pedal is connected, increase the volume on the pedal and adjust the volume on the SP7 Grand)
4. If you hear distortion when using the mixer, reduce the mixer's gain or engage its pad function.
5. When turning off the power after use, set the master volume of the mixer or amplifier to minimum first and then turn off the SP7 Grand power.

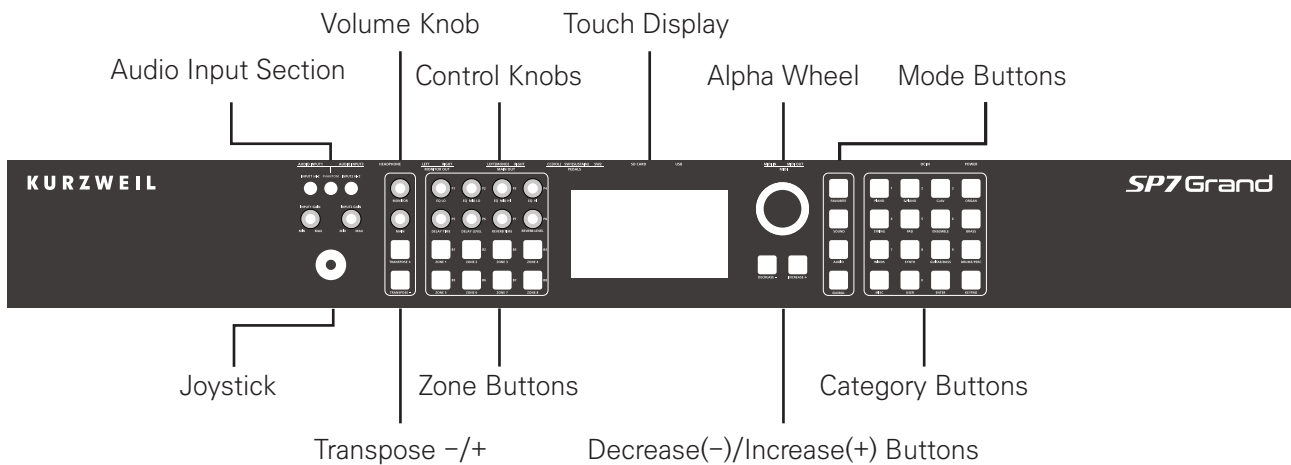
Sound Test

1. The SP7 Grand starts in Sound mode. To select a different sound, you can use the touch screen or use the alpha wheel to change the current sound. Narrow selections by pressing the instrument category buttons on the right. As you get familiar with the SP7 Grand, you can also employ the Favorite mode to store/recall personal favorites.
2. You can listen to various demo songs by pressing the Global mode button and then selecting the Demo Song menu on the left.

Auto Power On/Off Function

The SP7 Grand has an automatic power saving feature (Global mode / Auto Power Off) that can automatically power off the SP7 Grand after a designated period of inactivity, in order to conserve electricity.

1. Front Panel



Touch Display

The touch display is the focal point of the SP7 Grand user interface. Functions can be invoked with a simple touch. The 7-inch-wide color display is clear and intuitive.

Audio Input Section

XLR combo jacks provide convenient connections to the audio input, supporting both microphone as well as a line inputs. Hi-Z, phantom power (48V) and input gain can be adjusted using dedicated controls.

Monitor Knob

Adjust the volume of both the Headphone and the Monitor Outs.

Main Knob

Adjust the volume of the Main Outs.

Joystick Controller

Designed to enhance musical expressivity, the XY joystick is a multi-purpose, up/down, left/right MIDI controller assigned to various real-time performance functions and FX.

Transpose – / +

Use the Transpose buttons to transpose the notes on the keyboard in semitone steps. Transpose upwards by pressing the + button. Transpose lower by pressing the – button.

※ Press the +/- buttons at the same time to return the transposition value to "0".

Control Knobs

There are eight control knobs located just to the left of the display. The adjusted values of the various parameters are displayed on screen. The knobs are initially preset to EQ Lo, EQ Mid Lo, EQ Mid Hi, EQ Hi, Delay Time, Delay Level, Reverb Time and Reverb Level but are also customizable to parameters of your choosing.

Zone Buttons

There are 8 customizable colored buttons located just beneath the control knobs.

They act as zone mutes by default but, similar to the knobs, they can also be reassigned to control various custom functions.

Alpha Wheel

The large dial-type wheel allows you to conveniently adjust parameters in detail.

Decrease (-)/Increase (+) Buttons

The Increase/Decrease buttons are used to change the selected onscreen parameter value in controlled, single increments.

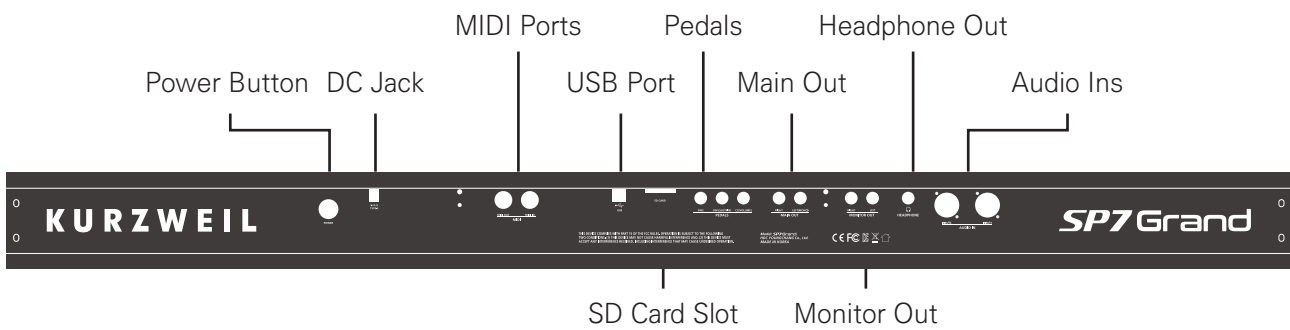
Mode Buttons

The mode buttons are used to navigate the SP7 Grand's four operating modes: Favorites, Sound, Audio, and Global.

Category Buttons

The Category button section is an intuitive and convenient, multifunction LED color button grid. The primary use is to navigate the instrument's 13 sound categories. Additionally, in Favorites Mode, they can be used to quickly select between user-designated 'most used' sounds. The buttons are also numerically labeled, allowing for numeric data entry in various edit screens.

2. Rear Panel



Power Button

You can turn the power on or off by pressing the POWER button.

DC Power Jack

Connect the power adapter to the DC power Jack.

MIDI IN/OUT Ports

The MIDI ports are used to communicate with external MIDI modules and controllers. The OUT port transmits data and the IN port receives data.

To use the SP7 Grand as a MIDI controller to trigger other MIDI devices or sound modules, use a MIDI cable to connect the SP7 Grand's MIDI OUT port to the MIDI IN port of the module you want to control.

If you want to use an external MIDI controller or device to control the SP7 Grand, use a MIDI cable to connect the SP7 Grand's MIDI IN port to the MIDI OUT port of the external controller or device you want to use.

USB Port

You can connect the SP7 Grand to your computer via USB to perform the following functions:

- Stream stereo audio between the SP7 Grand and a DAW.
- Use the SP7 Grand as a MIDI controller to play software instruments on your computer/tablet.
- Play and control the SP7 Grand with an external USB MIDI controller.
- Update the engine firmware of SP7 Grand.

SD Card Slot

The LCD touch screen firmware is updated using an SD card inserted into the SD card slot.

SW1 (Sustain) and SW2 Pedal Jacks

1) Use the SW1 (SUSTAIN) and SW2 jacks to connect switch pedals. One switch pedal is included with the SP7 Grand.

2) In Sound mode, SW1 (SUSTAIN) defaults to controlling Sustain and SW2 defaults to controlling Sostenuto. Pedal assignments can be adjusted for each zone by using Edit Mode.

Global Mode can be used to set pedal overrides, which can change the pedal assignments for all sounds globally.

Note: Switch pedals must be plugged in before powering on the SP7 Grand. Do not step on the switch pedals when powering on the SP7 Grand, as the state of the pedals is detected as part of the startup sequence.

CC (volume) Pedal Jack

Use the CC (VOLUME) jack to connect a MIDI CC pedal (also known as a MIDI expression or volume pedal). By default this pedal is assigned to control the volume (pre-FX).

The optional Kurzweil CC-1 continuous control pedal will work best with the SP7 Grand but it is also possible to use third-party continuous control pedals designed for keyboards. Compatible pedals should use a 10 k Ω linear-taper potentiometer, with a 1/4 inch tip-ring-sleeve (stereo) plug with the wiper connected to the tip.

Main Out Jack (stereo)

Use the Main Out jacks to connect to a mixer or amplifier. When performing in mono, use the left jack to connect.

Monitor Out Jack (stereo)

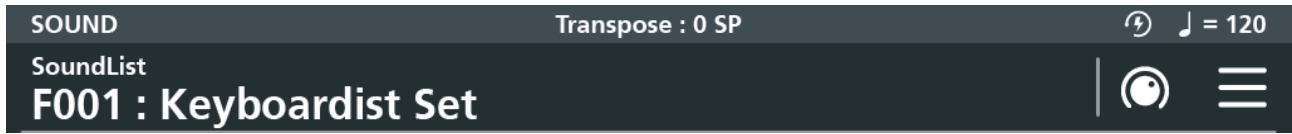
Use the Monitor Out jacks when connecting to an amplifier or speaker for monitoring.

Headphone Jack

Use the HEADPHONE jack located on the left rear panel of the instrument to listen to the SP7 Grand on stereo headphones. You will need a 1/8-inch-to-1/4-inch adapter in order to use headphones that have a smaller mini plug connector. When headphones are plugged in, audio is still transmitted from the MAIN OUT jacks.

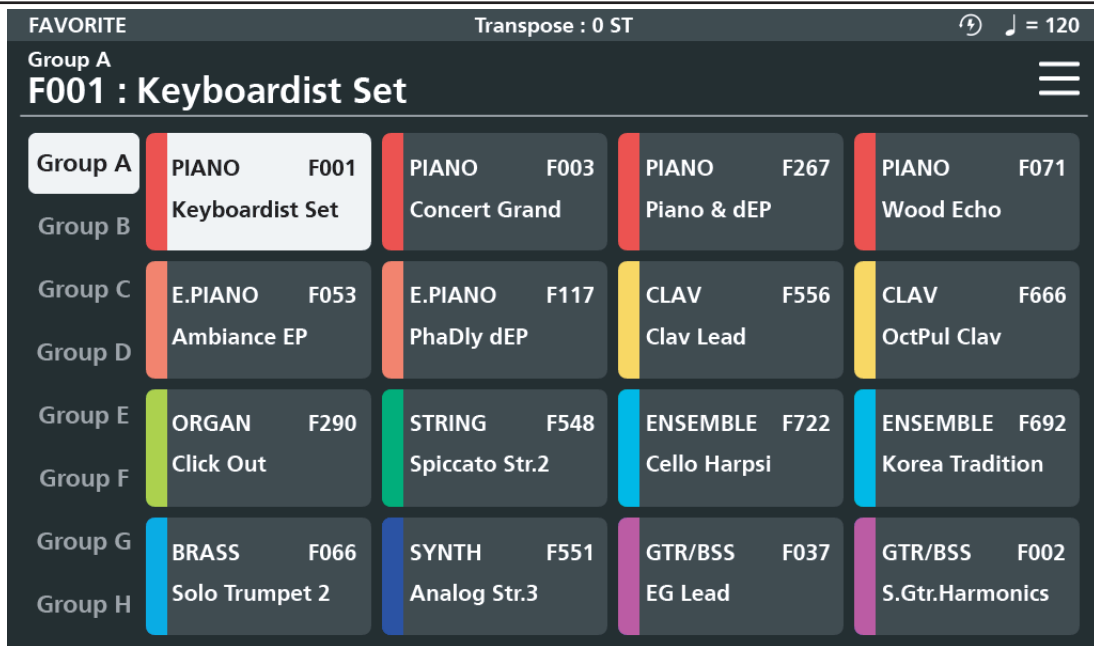
3. SP7 Grand Modes

Touchscreen Main Navigation



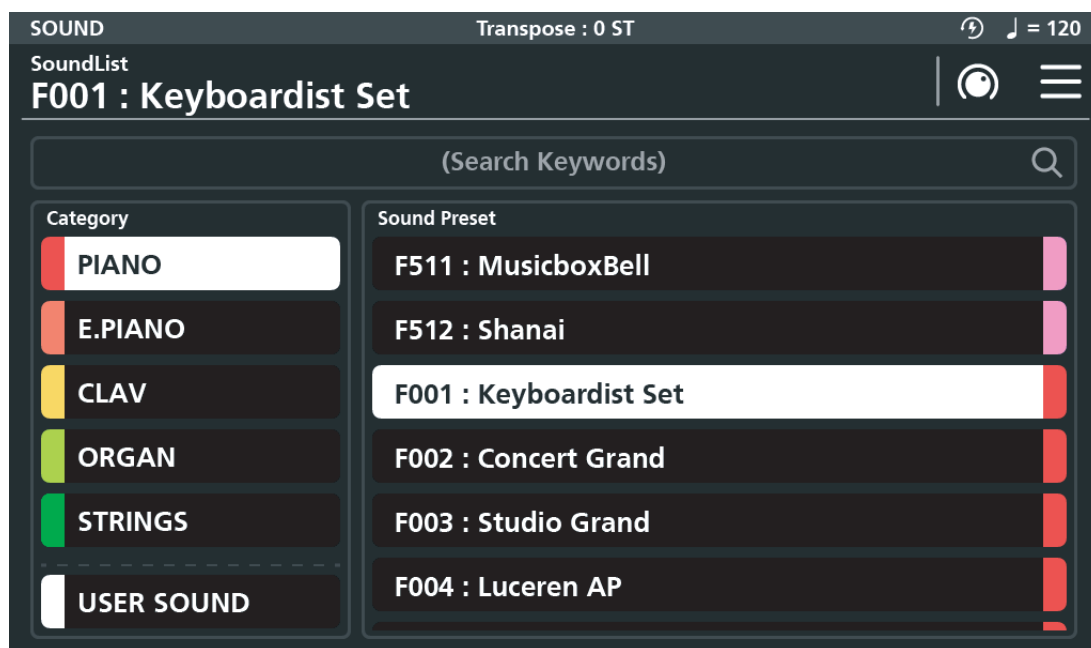
- 1) Mode (upper left-hand corner): This field displays which mode is currently in operation.
- 2) Transpose: This field indicates the current transposition value.
- 3) [⏪] : Back Button
- 4) [⏴] : Edit Button
- 5) [☰] : This Icon is MENU button
- 6) [♩ = 120] : Icon indicating the current Tempo value

Favorites Mode



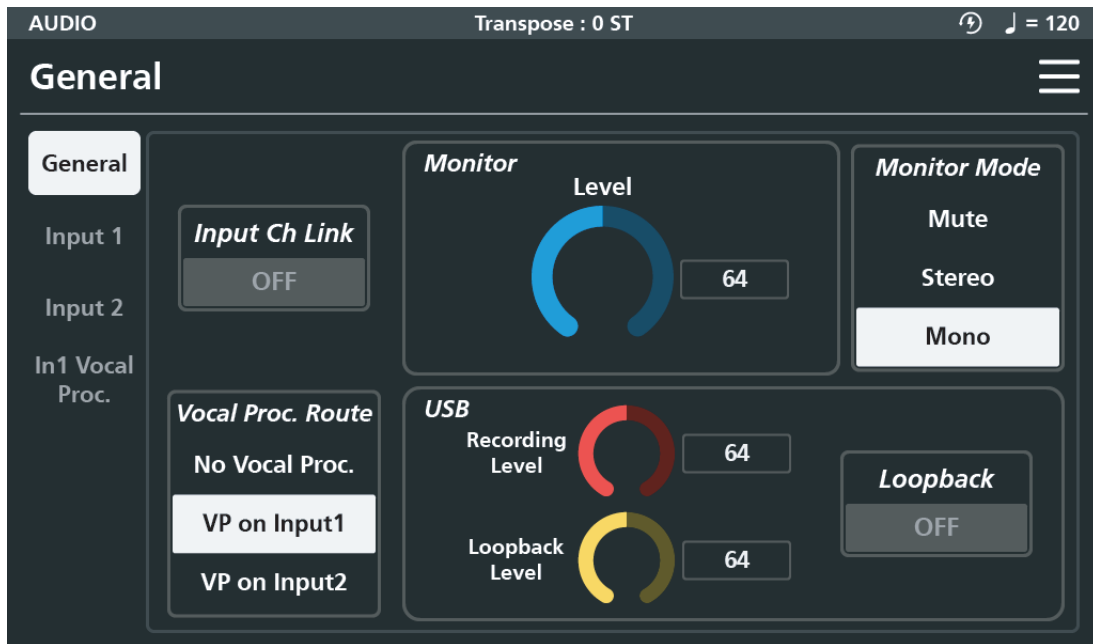
- 1) In Favorites mode, you can organize your most used sounds into groups and use the category buttons to quickly recall your selections.
- 2) On the touch screen, tap the Favorite button on the right to navigate to the Favorites Sound List.
- 3) A total of 128 sounds can be saved to 8 different Groups (A to H) with 16 sounds stored in each group.
- 3) Both factory presets and edited user sounds can be saved as a favorite.
- 4) Saving a sound to a chosen favorites group: On the touch screen, press and hold the button you want to save the currently selected sound to.

Sound Mode



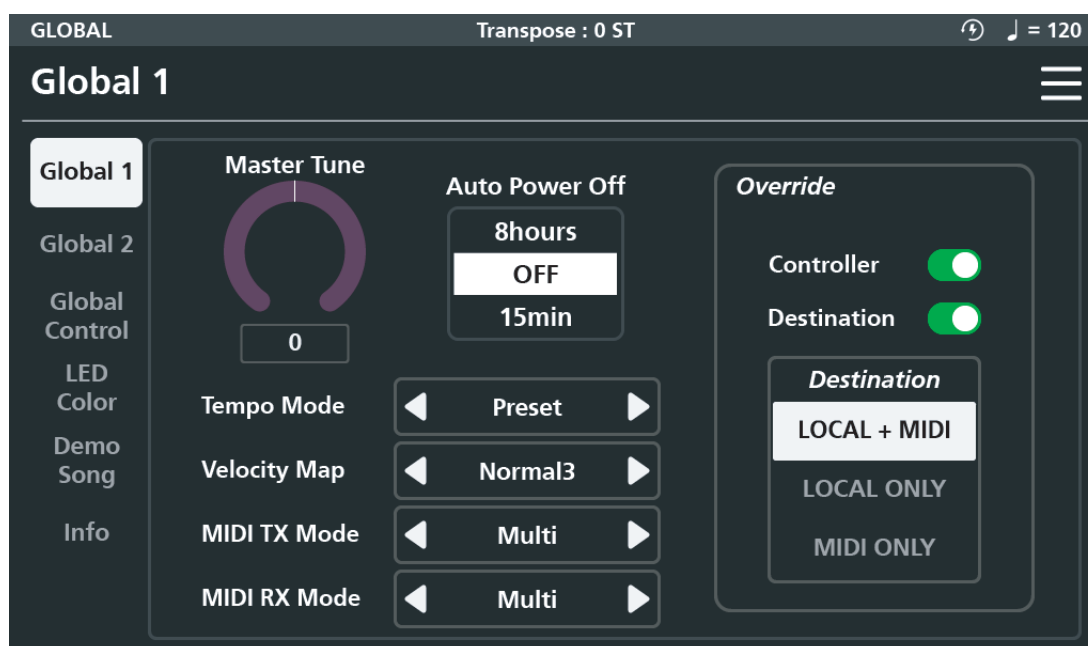
- 1) Sound mode is the default mode used to explore sound selections on the SP7 Grand.
- 2) When you power on the SP7 Grand, it will start up in Sound mode and the Sound List will appear on the screen.
- 3) The currently selected sound is displayed in the upper left hand corner of the screen. From the Categories listed in the column on the left, tap the desired category tab. Following, on the right, select the desired preset from that instrument category.
- 4) Colored tags distinguish the 14 unique categories including user sounds. The same color tag is applied to each individual preset making for easier identification and selection.
- 5) If you tap the "Search Bar" in the top center of the current mode, an on-screen keyboard appears where you can type in a search for a desired sound by name or ID number.
- 6) The sounds of the SP7 Grand are organized into the following 13 categories by instrument type. (PIANO, E.PIANO, CLAV, ORGAN, STRING, PAD, ENSEMBLE, BRASS, WINDS, SYNTH, GUI-TAR/BASS, DRUMS/PERC, MISC)

Audio Mode



Audio mode displays the controls for the audio input and audio interface functions of the SP7 Grand. Use the rear panel AUDIO IN XLR combo jacks (+48V, HI-Z switchable) and USB audio in to mix external audio sources with the sounds of the SP7 Grand, apply effects to external audio sources, or route external audio sources to a computer for recording or processing in a DAW. This is useful for playing along with backing tracks from a portable music player, computer, or other electronic instrument.

Global Mode



Global mode houses common settings shared across all modes, such as: fine-tuning, power-saving options, touch screen settings, demo playback and restoring factory defaults.

The Information page displays the currently installed LCD firmware version and engine firmware version. Please check this page and the Kurzweil website (www.kurzweil.com) to make sure your SP7 Grand's firmware is up to date.

Official Website www.ycpiano.co.kr
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