

1. TUNE:
Adjusts PSS-50 pitch so you can tune to other instruments.

2. EXT IN:
Input jack for electric guitar, keyboard, microphone, etc.

3. INPUT LEVEL SELECTOR:
Can be set to match external input signal level.

4. OUTPUT:
L and R/MIX jacks permit stereo or mono output.

5. PHONES:
Stereo headphone jack.

6. TAPE:
Ordinarily set to DISABLE. Other two positions let you match tape recorder's signal level requirements.

7. FROM, TO:
Input and output jacks for tape recorder connection.

8. DC9V:
For connection of supplied AC adaptor.

9. FOOT SWITCH:
For connection of S-2 foot switch or other switching device. Lets you control start/stop and fill-in functions.

PSS-50 SPECIFICATIONS

■ **tone generators:** RHYTHM x 8 (bass drum, snare drum, rim shot, open high-hat, closed high-hat, high tom, low tom, handclaps) BASS (electric bass) ACCOMPANIMENT (piano, electric piano, honky-tonk piano, distortion guitar, acoustic guitar, electric guitar, jazz guitar, clavi, banjo, brass, synthesizer, organ, strings) ■ **BACKUP PATTERN:** 48 Patterns (8 beat I-II, 16 beat I-II, new wave, electro pop, disco I-II, rock'n roll, boogie, ballad I-II, hard rock I-II-III, heavy metal, jazz waltz, 4 beat I-II, big band, fusion I-II-III-IV, bossanova, samba, cha-cha, mambo, merengue, latin rock, reggae I-II, 2 beat, 3 beat, march, folk, country, bluegrass, shuffle I-II, break & ending x 8) ■ **ARRANGEABLE AREA:** 16 Patterns ■ **CHORD:** Maj, m, m⁷, m⁷, m⁹, 6, 7, Maj⁷, 9, dim, Aug, sus 4 on each root (C-B) ■ **MEMORY BANK:** Song memory x 8 (maximum 80 bars/bank), song chain (maximum 16 steps) ■ **DISPLAY:** chord name, song/pattern number, step number, bar number, battery check, tuning note, tape mode, conductor ■ **MIXER:** Rhythm volume, Bass volume, Accompaniment volume, External input volume, Stereo volume ■ **MASTER VOLUME:** MIN - MAX ■ **TEMPO:** SLOW - FAST ■ **POWER/MODE SELECTOR:** POWER OFF, BATT. CHECK, TUNE, SONG CHAIN, PLAY, WRITE, ARRANGE ■ **NUMERIC KEYS:** Pattern/Song (1-8) ■ **SONG MEMORY ACCESS:** Chord, Pattern ■ **FUNCTION:** Clear/All clear, Enter, Start/Stop, Count start/Rhythm fill in ■ **KEY TRANSPOSE:** 0, +1 - +6, -1 - -5 ■ **KEY:** END, INS, DEL, 1ST STEP, ◀, ▶, LAST STEP ■ **ARRANGE KEY:** ARRANGEABLE AREA 71-88, COPY, FILL IN, RHYTHM, ACC., BASS ■ **TAPE INTERFACE:** SAVE, LOAD, VERIFY, CANCEL ■ **TUNE:** ±50 cents ■ **INPUT SELECTOR:** MIC, INST, LINE ■ **TAPE SWITCH:** DISABLE/LINE IN, LINE OUT, EARPHONE, IN MIC OUT ■ **INPUT JACKS:** EXT IN, FROM TAPE, DC IN, START/STOP (ΔGRND) FILL IN (ΔGRND) ■ **OUTPUT JACKS:** OUTPUT (R/MIX, L), PHONES, TO TAPE ■ **POWER SUPPLY:** UM3 x 8/DC 9V (AC adaptor) ■ **DIMENSIONS:** 310(W) x 210(D) x 50(H)mm ■ **WEIGHT:** 1.25kg (with battery) ■ **ACCESSORIES:** AC adaptor, Connection cord (2.5m x 1), Batteries (UM3 x 8)

SDD-1000 DIGITAL DELAY



Up to 2048 msec. delay with REC SYNC and REC CANCEL for professional effects.

MM-25 MULTI MONITOR

The Multi-purpose Monitor Amp that Matches all Sources - from Microphones to Synthesizers.



*Specifications and features are subject to change without notice for further improvement

NOTICE

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

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SUPER SECTION PSS-50

PROGRAMMABLE SUPER SECTION

Program Your Chord Progressions and Backup Patterns with the Realism of Digital Percussion - A Valuable Tool for Practice, Recording, and Composing



KORG

SUPER SECTION PSS-50

PROGRAMMABLE SUPER SECTION

It's like having your own session musicians ready to play along at any time. With the PSS-50 you can program both the backup pattern (drums + bass + strings, brass, piano, etc.) and chord progression. Then play it back to try new arrangements, make demo tapes, or simply practice your instrument. The 48 built-in backup patterns include 4, 8, and 16-beat, as well as fusion, reggae, disco, ballad, and many more. Each is amazingly realistic and has its own exciting original arrangement.

Up to 1280 bars of music on board—plus tape interface for unlimited storage

You can change patterns every bar and change chords (and fill-in timing) every half bar. Each of the eight song memories holds 80 bars so you can have up to 640 different bars of music at once, on board. Then you have the option of linking the eight song memories to form a chain of up to 16 steps, making a complete 1280-bar composition for automatic playback. Of course, the tape interface lets you expand your song library infinitely. And you can always make changes in your songs by using the versatile electronic editing facilities.

Digital percussion means real drum sound

The drum sounds are exceptionally realistic because the PSS-50 uses digital PCM technology for its percussion sound sources. Drum output is set in a stereo array for even greater realism.

Arrange original backup patterns—100,000 possibilities

You start with the 48 patterns marked on the PSS-50 panel. Then you take a bass part from one, a drum part from another, an accompaniment (guitar, brass, piano, etc.) part from a third, and a fill-in part from a fourth. Since you are free to arrange these four parts as you like, you have a possible variety of about 100,000 new and different combinations. Think of the possibilities for making demo tapes. Special break and ending patterns are included. There's even a rimshot lead-in count.

Plug in your keyboard, guitar, or other external input

Mixing facilities let you independently adjust drums, bass, accompaniment, and external input. You can use the external input jack to plug in your guitar, keyboard, or a microphone. You can play and record from the PSS-50 with no additional mixing console. Never has so much musical value been available in such an easy-to-use, compact system.



FEATURES

- 1 DISPLAY:** Shows song number, bar number, chord name, and pattern number during write and play operations.
- 2 CONDUCTOR:** LEDs light up to indicate the beat.
- 3 PATTERN INDEX:** Refer to this chart for pattern names and numbers.
- 4 CHORD KEYS:** Choose the root in the keyboard section, then select the rest of the chord name (m, m6, etc.) from the options marked.
- 5 TAPE INTERFACE KEYS:** Use these to save your song data on cassettes or to load data from tape to the PSS-50 internal memory.

- 6 ARRANGE KEYS (ARRANGEABLE AREA, BASS, ACCOMP, RHYTHM, FILL-IN):** When in the arrange mode, these keys are used to create new patterns by rearranging the various parts of other patterns.
- 7 MIXER SECTION:** These knobs let you control each part's relative volume. EXT is for an external input such as guitar or keyboard.
- 8 STEREO:** Adjusts depth of stereo effect applied to PSS-50 output signal.
- 9 TEMPO:** Adjusts tempo.
- 10 MASTER VOLUME:** Adjusts total output volume of all parts including external input.

- 11 POWER/MODE SELECTOR:** Switches power on and off and selects mode of operation.
- 12 SONG MEMORY ACCESS KEYS (CHORD, PATTERN):** When these keys are on, you can write and read from the memory with automatic sequencing. When they are off, you can play the PSS-50 manually.
- 13 PATTERN/SONG KEY:** Determines whether the 1-8 numbered keys will be used to select song memory numbers or pattern numbers. Also switches display between song and pattern indication.

- 14 NUMBER KEYS:** Press to select song memory number or pattern number.
- 15 FUNCTION KEY:** Used together with other keys to perform editing and other functions.
- 16 CLEAR (ALL CLEAR) KEY:** Clears memory contents when you want to erase or change something.
- 17 ENTER KEY:** Puts new information in song memory.
- 18 COUNT START/RHYTHM FILL-IN KEY:** Gives you a 1-bar lead-in at the beginning of a song, or a fill-in pattern, depending on when pressed.
- 19 START/STOP KEY:** Starts and stops play.

Basic Functions of the PSS-50

1 SONG WRITE

You can write the backup pattern in 1-bar steps and the chords in 1/2-bar steps. Up to 80 bars will fit in one song memory. Song memory keys are numbered 1 through 8, so you can program and store the accompaniments for eight songs on board.

2 SONG PLAY

Accompaniments stored in the eight song memories can be selected and automatically played.

Writing patterns and chords to song memory.

SONG WRITE

- Set the POWER/MODE selector to WRITE.
- Press the CHORD & PATTERN keys together. LEDs should light up above both. (At this point an LED should be lit just above the word SONG in the left side of the DISPLAY. If it isn't, press the PATTERN/SONG key.)
- Press one of the NUMBER keys 1-8. This selects the song number that you will work with.
- Press the CLEAR key while holding down the FUNCTION key.
- Press the PATTERN/SONG key. An LED should light up in the DISPLAY section under the word "PATTERN".
- Choose a backup pattern from the PATTERN INDEX for the first bar of your song. Key in the pattern number by pressing the NUMBER KEYS. **Example:** HARD ROCK III. Pattern number is 27. Press 2 then 7.
- Press the CHORD keys to select chord for the first half of the first bar of your song. **Example:** CMaj7. Press C then Maj7.
- If you want to listen to each bar as you program it, press the START/STOP key.
- Press the ENTER key. (You have now stored the backup pattern for the first bar and the chord for the first half measure of your song.)
- Put in the chord for the remaining half of the first measure: Press the CHORD keys, then the enter key.
- Repeat steps 6, 7, 8, 9, & 10 to write the accompaniment patterns and chords for the rest of your song.
- Press the FUNCTION key together with the 1ST STEP, LAST STEP, or ARROW keys to monitor specific bars.

Playing back a song from memory.

SONG PLAY

- Set the POWER/MODE selector to PLAY.
- Press the PATTERN/SONG key. An LED should light up in the DISPLAY section under the word "SONG".
- Press one of the NUMBER keys 1-8. This selects the song number that will be played.
- Press the COUNT START or START/STOP key to begin play. (COUNT START gives you a 1-bar count on the beat before beginning play of your song.)
- To stop play, simply press the START/STOP key again.

3 SONG CHAIN

Song memories 1-8 can be linked together to form a chain of up to 16 steps.

4 ARRANGE

PSS-50 backup patterns consist of three parts: (1) drums, (2) bass, and (3) accompaniment of guitar, piano, brass, etc. The 48 preset patterns provide these parts in particular combinations. However, the ARRANGE function lets you create new combinations by taking each of these three parts and a fill-in part from any four of the preset patterns.

Creating a longer composition by connecting several song memory numbers.

SONG CHAIN

- Set the POWER/MODE selector to SONG CHAIN.
- Press the CLEAR key while holding down the FUNCTION key.
- Press one of the NUMBER keys 1-8 to select the song that will form the first part of your composition.
- Press the ENTER key. (This stores the information that your selected song number is the first "step" in the composition.)
- Repeat steps 3 & 4, writing in song numbers in the order that you want them played.

Playing a song chain.

CHAIN PLAY

- Set the POWER/MODE selector to SONG CHAIN.
- Press the COUNT START or START/STOP key.
- Song steps will be played in the order that you selected them. Play will stop automatically at the end.

Changing the backup pattern combinations to create a new arrangement.

ARRANGE

- Set the POWER/MODE selector to ARRANGE.
- Use the NUMBER keys to select a number (71-88) from the two ARRANGEABLE columns in the PATTERN index.
- Press ENTER.
- Press the RHYTHM key (F on the keyboard).
- Use NUMBER keys to select PATTERN number that you want for the rhythm part of the backup pattern.
- Press ENTER.
- Press the BASS key (D on the keyboard).
- Use NUMBER keys to select PATTERN number that you want for the bass part of the backup pattern.
- Press ENTER.
- Press the ACCOMP key (E on the keyboard).
- Use NUMBER keys to select PATTERN number that you want for the accompaniment (guitar, etc.) part of the backup pattern.
- Press ENTER.
- Press the FILL IN key (G on the keyboard).
- Use NUMBER keys to select PATTERN number that you want for the fill-in sections of the backup pattern.
- Press ENTER.