



Allen Organ Model LD-34b

QUICK REFERENCE GUIDE

Quick Start:

1. Turn organ on.
2. Using the GeniSys Display, select memories 1 or 15 (for preludes and postludes) or 2 or 16 (for congregational singing). To do so, touch the MEMORY button on the GeniSys Display and then use the UP and DOWN buttons to select a memory level. Press the HOME button to return to the home screen.
3. Select one of the push button (pistons) labeled 1-5 and 6-10 found to your left under the two sets of keys (manuals). Piston 1 is the softest set of registrations and 10 is the loudest on memories 2 or 16.

Manual: This term is synonymous with keyboard. **Swell** refers to the organ's upper manual and **Great** to the lower manual.

Division: The organ has three main divisions: Swell, Great and Pedal. The Swell and Great divisions' stops are played from their respective manuals. The Pedal division is played from the organ's pedal keys.

Stops: The controls that actuate the organ's various sounds. The stops are located above the Swell manual and are arranged according to the organ's three divisions.

Couplers: In addition to stops which produce sound, the organ also has a variety of couplers that allow sounds to be played from manuals other than that of their resident division. (i.e. Swell stops may be played on the Great manual by using the Swell to Great coupler.) Couplers are found to the right of each division's stops.

Expression Pedals (Shoes) – The organ is equipped with three shoes or large pedals set into the base of the organ's body. The leftmost shoe controls ("expresses") the volume of the Great and Pedal divisions' stops. The center shoe adjusts the volume of the Swell stops. Bar graph indicators within the GeniSys Display indicate each shoe's position.

Crescendo Pedal (Shoe) – The rightmost of the three shoes set into the base of the organ's body turns on the stops of the organ in a predetermined sequence from "softest to loudest," producing a gradual "crescendo" of sound. Use this rarely and cautiously, perhaps when accompanying the choir. One of the bar graph indicators within the GeniSys Display indicates the crescendo shoe's position.

Pistons – These controls, located beneath each keyboard and above the pedal keys, are divided into the following categories:

1. **General Thumb Pistons** – round buttons located under the left portion of the manuals, these pistons, numbered 1 through 10, control the stops of the entire instrument.
2. **Divisional Thumb Pistons** – located beneath the middle of each manual, these pistons, numbered 1 through 6, control only the resident stops of that division. (i.e. The divisional pistons directly beneath the Swell manual control only the Swell stops of the organ, etc.)
3. **General Toe Studs** – these silver-colored knobs are duplicates of the general thumb pistons that have the same numbers. General toe studs are located to the left side of the expression shoes and are labeled 6-10.
4. **Pedal Division Toe Studs** – control only pedal stops. These are located to the right of the crescendo shoe and are labeled 1-4.
5. **Coupler Pistons** – located next to the divisional thumb pistons, they control the coupler stops. Coupler pistons are "reversible." Each press will toggle the couplers on or off.
6. **Coupler Toe Studs** – are duplicates of the coupler pistons.
7. **Crescendo B Piston** – causes the crescendo shoe to produce an alternate sequence of stops from softest to loudest. It is "reversible." Check the GeniSys Display to determine if Crescendo B is engaged.
8. **Tutti I and II Pistons** – Tutti I is a few stops short of "full organ," while Tutti II produces "full organ." Both pistons are "reversible." Check the GeniSys Display to determine if a Tutti is engaged.

9. **Recall Last Combination Piston** – labeled “R,” this piston recalls the last combination set prior to using any general or divisional piston.
10. **Piano** — Actuates a Piano voice on the Great manual, but also disables all other stops in all divisions on the organ, including the pedals.
11. **Harp** — Actuates a Harp voice on the Swell manual which can be used with other Swell stops.
12. **Piano Damper** — actuates sustain for the Piano voice.

Memory Levels – The organ has 12 Capture Memory levels to which stop combinations (registrations) may be captured on the pistons. With this feature, 12 organists could each set their own combinations on a different memory. In addition, memory numbers 1 or 15 and 2 or 16 have been preset in conjunction with the LDS Church Musical Instrument Selection Committee and have locked registrations to assist organists playing church services.

General Pistons 1-10 of Memories 2 or 16 are preset with graduated hymn registrations appropriate for accompanying the softest to loudest congregational hymns.

The general pistons of Memories 1 or 15 are preset with registrations appropriate for preludes or soft postludes. Generals 1-3 are set with a softer accompaniment on the upper (Swell) manual and a louder solo combination on the lower (Great) manual suitable for playing a single melody line. Generals 4-10 are set with the softer accompaniment on the lower (Great) manual while the louder solo combination suitable for playing a single melody line is on the upper (Swell) manual.

Selecting a Memory Level - The GeniSys Display contains a button called MEMORY. Touch the button to open the capture memory level selection screen and then use the UP and DOWN buttons to select a capture memory level. Press HOME to return to the home screen.

Setting Pistons – At turn-on, the organ defaults to Memory 1. Select any memory level 3-14. Select organ stops in the Pedal, Swell, and Great divisions by depressing each rocker tab until its LED indicator lights. Next, press and hold the “Set” button which is located under the left side of the Great manual. While holding the Set button, push the piston to which you want the registration captured. It is good practice, after completing this process, to press

“Cancel” and then press the chosen piston to confirm that the desired stops have been correctly captured. This same process can be used for both general and divisional pistons. Divisional pistons will, of course, only capture stops in that division.

Second Voices – Second Voices are engraved in red and appear on selected stops in each division of the organ. If you want to use the second voice of a stop you must also engage the Second Voice coupler, also engraved in red, in that division.

Bass Coupler – This function allows the organist to play the pedal stops from the Great manual. When engaged, the lowest note played on the Great will also play stops registered in the Pedal division.

Melody Coupler – When engaged, the highest note played on the Great will also play stops registered in the Swell division, thereby strengthening the melodic line.

All Swells to Swell – Provides control of the entire organ’s volume from the Swell expression shoe.

Tremulant – Provides an undulating effect on the stops chosen in a given division. This is fine for soloing out a melody but it is not recommended for accompanying singing!

Tuba Unenclosed Uncoupled – When activated the Solo Tuba 8 (2nd Voice) on the Swell and Great manuals will be full volume and unaffected by the expression shoes. Also, the Swell stop will not couple to the Great manual when using the Swell To Great coupler. This allows the Swell Solo Tuba 8 to be used as an actual solo stop.

Acoustic Portrait – Located within the GeniSys Display. Touch:

HOME > OPTIONS > ACOUSTICS

Touch ON/OFF button to turn the effect on or off. In the “on” position it adds electronic reverberation to the sound of the organ. Its use is a matter of personal preference.

Hymn Player – Located within the GeniSys Display. Touch:

HOME > OPTIONS > AUTO PLAY > HYMN PLAYER

The Hymn Player contains many hymns found in the hymnal.

Performance Player – Located within the GeniSys Display. Touch:

HOME > OPTIONS > AUTO PLAY > PERFORMANCE PLAYER
This feature plays a continuous selection of hymns suitable for a prelude.

For further instructions please refer to the LD-34b Owner’s Manual available online at LDS.org.