

## The Schober Recital Organ



This instrument is the equivalent in size and musical capabilities of a good pipe organ. Advanced electronic techniques, employed by musician-engineers, have produced in the Recital Organ a truly musical instrument containing every facility required by the professional organist and the completeness that makes the Recital easiest for the beginner to learn on. This organ meets American Guild of Organists specifications; its appearance, essential dimensions, and playing facilities are identical to those of a pipe organ. The Recital sound is extraordinarily pipelike. Especially when it is played through the Schober Reverbatape Unit or in a good auditorium, the usual listener finds it hard to believe that the tones are produced electronically.

### THE STANDARD RECITAL ORGAN

The Recital Organ has two 61-note, overhanging-key manuals which have standard dimensions and touch but which are made of heavy, non-warping steel - the most modern and age-proof keyboards in the industry. The key caps are of rugged, non-discoloring plastic and can be replaced in a few minutes. The 32-note concave, radiating pedal clavier has unbreakable plastic sharps which show no wear and remain black permanently. There are 32 speaking stops in five pitch registers and six couplers, intermanual and intramaneal. Separate swell shoes control Great and Swell volume, with control of Pedal volume assignable on the stop board to either shoe or jointly to both. Each manual can be amplified and reproduced separately, or both may speak through the same amplifier-speaker system. Vibrato (with selection of 3 degrees of depth) may be applied to either manual or both with a stop board switch; and no vibrato appears on the pedals except when pedal couplers are used. A 3-position Pedal Balance switch triples the usefulness of the eight pedal stops, which range from 16' to 2' pitch.

The Recital console is made of genuine walnut wood (solids and veneers) and is available in the Schober Standard Finish (see page 11), lacquered, or unfinished. The Pedal Clavier, in easy-to-assemble kit form, conforms to AGO standards. It is super-strong, with adjustable pedal tension and replaceable natural caps and sharps. Its positive action, durability, and beauty, make it one of the best claviers in the organ industry - pipe or electronic - a fitting adjunct to the impressive Recital console and bench.

Internal circuitry is completely transistorized and comprises components of the highest commercial quality. The solid-state design and the wide use of printed circuitry, as well as such unusual quality features as gold switch contacts and a regulated power supply, assure steady, dependable operation without attention for many years. All parts of the Recital Organ are guaranteed for five years as detailed on the back cover of this catalog.

Typical cost of all the kits and parts you will need to build the basic Recital Organ is \$1850 if you choose the easily assembled kit console; you can break this expenditure into three parts to spread the cost over a period of time. The cost can be higher or lower if you choose a different console finish (or finish it yourself) or build your own console from our plans. All this is explained in the Price List. This price results in all you need for a complete organ, ready to play - except for an amplifier and loudspeaker system. If you purchase amplifier and speakers from Schober, typical cost is \$278 - more or less, depending on choices explained in the Price Lists.

You do not need to buy amplifier and speakers from Schober if you have a good high-fidelity or stereo system (see page 13). There are also optional accessories you may wish to add now or later, but the organ is complete without them.

## **RECITAL ORGAN VOICING**

The Schober Recital is the only organ in the world whose owner can alter its voicing at will to suit his own tastes or particular kinds of music. Each of the 32 speaking voices of the organ is determined by a small computer - like printed-circuit card which is plugged into a socket within the console. This is the unique Schober Library of Stops™ voicing system. Any or all of the 32 voices can be altered in tone color and pitch, simply by plugging in a different voicing card and stop tablet.

The standard Recital voicing specification, shown on the opposite page, is primarily for classic music, the main purpose for which this organ was designed. These same voices, with vibrato added and the playing style changed, also give excellent results with light music. With the aid of the optional Library of Stops Kits SRS-1, which supplies a very large selection of electronic components and detailed instructions, you can make up practically any organ voices you may wish, and plug them in place of the standard ones. Since plugging in a new stop takes only a few seconds, you can keep any number of these alternate voices on hand and use them whenever you like. At any one time, you keep 32 stops plugged in for instant selection with the stop tablets.

The 32 speaking stops (voices) listed are standard equipment and you must have them. There is no limit to the number of extra plug-in stops you can have, but we cannot design particular voices on demand. You must "design" them yourself, which is quite easy with the Library of Stops kit and instructions. The kit also furnishes specific instructions for a wide variety of nonstandard stops which you do not even have to design for yourself

The seven octaves of pitches provided by the Recital Tone Generators, the availability of five pitch registers on each manual and four for the pedals, and the basic design of the organ afford voicing directly parallel to that of pipes for both traditional and theatrical playing.

## **COMBINATION ACTION**

The optional Recital Combination Action (sometimes called "presets") is the latest tripper type. On an organ of Recital size, the organist sometimes does not have the time to make changes in stop-tablet settings, especially while playing. To aid in registration changes, the combination action provides 13 white numbered buttons just beneath the keyboard fronts (see photo) and four toe studs (toe-operated pushbuttons) just above the pedals. Pressing any one of these provides a new setting of the stop tablets by causing tablets to move up or down automatically as necessary to make whatever combination of voices and couplers has been predetermined for that button.

Five buttons control upper-keyboard and pedal stops; four control lower- keyboard and pedal stops; and four "generals" (in parallel with the toe studs) control all stops simultaneously.

A new combination is preset for any button simply by holding the button in and arranging the tablets as desired. Thereafter, pressing that button will produce the new combination. The combination action is a necessity for professional organists and for all church and concert work. It is a convenience for the learner and amateur. It can be installed while the organ is being assembled, or at any later time.

## **SOUND PRODUCTION**

As with all Schober Organs, an amplifier and a speaker system, not included in the basic price, are required. It is not feasible to build the speaker system into the organ console. The external speaker system should be of the highest quality to do justice to the organ's capabilities. The Schober LSS-10A or LSS-100 system and the Schober TR-2 amplifier are very suitable, as is your own high-fidelity or stereo system if it has an amplifier of at least 40 watts output and an efficient speaker system with full reproduction between at least 32 and 12,000 cycles.

The rotating Leslie Organ Speaker LSL-150 is very effective in addition to a good standard speaker system in giving either the juicy vibrato which so enhances popular and theatre music or, at its slow speed, in adding the sense of "movement" to more serious music.

## **TWO-CHANNEL OPERATION**

The Recital Organ is internally split into two channels, one for each of the manuals. Each channel has its own preamplification and vibrato circuit and swell shoe, and each channel may be amplified and reproduced separately, using two amplifiers and speaker systems.

Both of the Recital Organ channels may be heard through a single amplifier and speaker system by simply shifting the position of one resistor on a printed circuit in the organ, per instructions. This is the more usual mode of operation. The separate swell shoes and vibrato circuits are still effective. A change from single-channel to dual-channel (or vice versa) is easily made at any time.

## **OPTIONAL EQUIPMENT**

In addition to the Library of Stops Kit and the Combination Action, other optional accessories are available for the Recital Organ. The most important is the Reverbatape Unit described separately on another page. It is highly recommended.

For church work you may want the Schulmerich ChimeAtron. The Mixer-Compressor is desirable for any kind of music wherever there is some limit on the maximum volume you can use. The Headphone System furnishes excellent sound quality for "silent" practice. For playing light music you will enjoy using the Organ Dynabeat and the Percussion Group. All these accessories are described on other pages. They should be added after your organ is complete and playing - at any time in the future. None of them is necessary; you have a complete and satisfactory organ without them.

We recommend you order an Organ Tester if you do not have electronic test equipment; it facilitates checking after final assembly and in case you should have any trouble. The Transistor Voltmeter is useful but not necessary. The Tuning Record included in your basic kits is adequate for tuning if you have a good turntable, but you may wish to have one of the tuning devices.

## **SPECIFICATION**

### **SWELL (Upper Manual)**

Bourdon 16'  
Geigen Diapason 8'  
Stopped Flute 8'  
Gamba 8'  
Geigen Octave 4'  
Concert Flute 4'  
Nazard 2-2/3'  
Principal 2'

Flautino 2'  
Contra Fagotto 16'  
Trompette 8'  
Clarinet 8'  
Oboe 8'  
Clarion 4'

**GREAT (Lower Manual)**

Contra Violone 16'  
Principal 8'  
Flute 8'  
Dulciana 8'  
Octave 4'  
Chimney Flute 4'  
Twelfth 2-2/3'  
Fifteenth 2'  
Mixture III  
Trumpet 8'

**PEDAL**

Contra Bass 16'  
Bourdon 16'  
Principal 8'  
Choral Bass 4'  
Fagotto 16'  
Trumpet 8'  
Clarion 4'  
Zink 2'

**COUPLERS**

Swell to Swell 16'  
Swell to Swell 4'  
Great to Swell 8'  
Swell to Great 8'  
Swell to Pedal 6'  
Great to Pedal 8'

**CONTROLS**

Pedal Balance  
Pedal to Great, Swell, Both  
Vibrato, 3 depths  
Vibrato to Great, Swell, Both  
2 Swell shoes  
Vibrato speed (internal)  
Pedal volume (internal)

**CONSOLE:**

Width: 55 inches  
Depth: 29 inches without pedals, 46-1/2 inches including full-size AGO pedals.  
Height: 43-1/2 inches plus 10-inch music rack.  
Bench: Full length with curved front, heel rest, storage compartments.

Weight: About 250 pounds assembled.

#### **OTHER OPTIONS**

Combination Action  
REVERBATAPE Unit  
"Library of Stops" Kit  
ChimeAtron Unit  
Dynamaster  
Organ Dynabeat  
Percussion Group  
Mixer-Compressor  
Leslie Organ Speaker