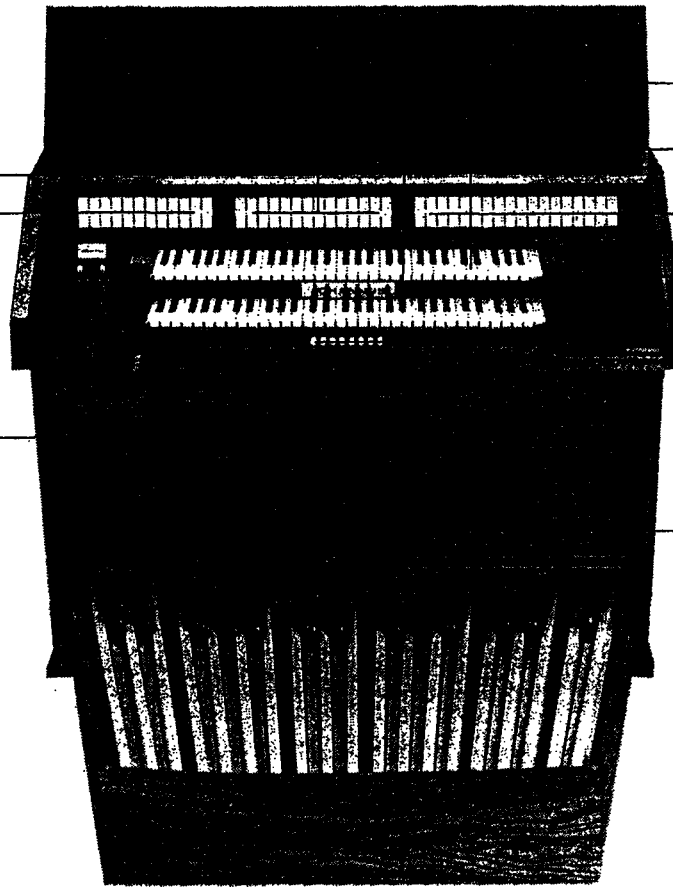


**OWNER'S MANUAL**

**Opus 230**

# **JOHANNUS**

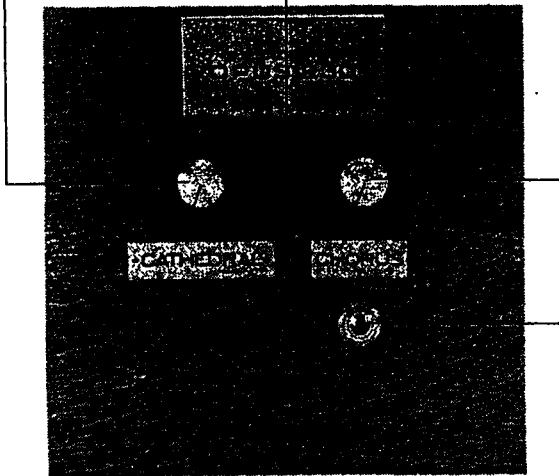
stops for swell  
stops for pedal



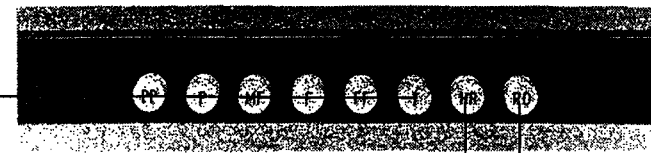
great  
swell  
stops for great  
on/off switch  
presets  
expression pedal

cathedral

chorus



headphone jack



hand registration

RO (reeds off)

presets

## PEDAL

1. Double bass	16'
2. Subbass	16'
3. Principal	8'
4. Gedackt	8'
5. Violon	8'
6. Octave	4'
7. Mixture*	III ranks
8. Contra trumpet**	16'
9. Trumpet**	8'
10. Clarion**	4'
11. Great to Pedal	
12. Swell to Pedal	

## SWELL Manual II

13. Quintaton	16'
14. Diapason	8'
15. Celeste	8'
16. Rohrflöte	8'
17. Octave	4'
18. Gemshorn	4'
19. Koppelflöte	4'
20. Flute Twelfth*	2 $\frac{2}{3}$ '
21. Flute	2'
22. Tierce	1 $\frac{1}{6}$ '
23. Sesquialter.*	II ranks

24. Fagotto **	16'
25. Cromorne **	8'
26. Tremulant Swell	

## GREAT Manual I

27. Diapason	8'
28. Gamba	8'
29. Unda Maris	8'
30. Stopped Flute	8'
31. Octave	4'
32. Open Flute	4'
33. Twelfth	2 $\frac{2}{3}$ '
34. Octave	2'
35. Superquint *	1 $\frac{1}{2}$ '
36. Octave	2'
37. Cornet	IV ranks
38. Mixture *	V ranks
39. Trumpet **	8'
40. Clarion **	4'
41. Tremulant Great	
42. Swell to Great	
43. Unenclosed Great	
44. Carillon	

\* = mutations

\*\* = reeds

## Registrations:

Registrations are essential to the art of organ playing. You are able to make countless combinations of the Johannus organ's spectrum of voices. This is a vital part of the excitement that owning and playing a Johannus will bring you.

Sometimes registrations are not as easy as they appear to be. But practising on the Johannus organ will enable you to master its sounds. It is well worth your time to experiment with the registrations and find the correct one for the piece of music you are playing.

As there is no unification in Johannus organs, the independent sound structure of each stop enables you to choose the required combinations to your own choice much more effectively.

You can take as a basic rule that footages which are multiples of each other blend very well together, for example, an 8' with a 4'.

You may also wish to choose so called mutation stops, such as sesquialter or cornet which are meant to be used in combination with other stops, in order to achieve well blended sounds.

## Hand Stops:

Having set the Hand Registration (HR) piston, you can combine stops to your heart's content.

## Presets:

So far we have been dealing with hand registration. You can choose registrations to build up sound patterns to your own taste. Johannus organs are equipped with the ability to change registrations rapidly by adding or excluding several stops at a time.

The designer of the organ has pre-selected six beautiful registrations which are secured in the organ. Pistons are set from left to right. The registration: soft to full volume. Remember, these registrations are beautiful and offer many possibilities, but do not let the temptation of these six handy pistons keep you from discovering new combinations. You must develop your own style of sound patterns for the selections you play. The presets help acquaint you with your organ. You should find out for yourself what combinations the designer has selected for you.

## Reeds-Off:

With the Reeds-Off (RO) piston you are able at any time to switch on or off the reeds (trumpet, clarion, cromorne, contra trumpet, fagotto). This RO-piston also works on the presets.

Note: If you should set the trumpet and there is no result, the RO control is not set correctly.

## Tone Generators:

In your organ there are six sets of tone generators: two of which are used for manual I, two for manual II, one additional for both manuals (unda maris, cornet, vox celeste and tierce) and the last one for the pedal. If you should play manual I using the coupler, and select stops from both manuals and the pedal, you are using all the generator sets. At this time, you are experiencing the full potential of the sound your organ can produce. For instance, an 8' from manual I with a 4' from manual II sounds better than the combination of an 8' and a 4' from manual II. In other words, you are making the maximum use of the generator sets. However, remember that even when using one single stop you are still using two generator sets.

If you feel you have found a beautiful registration for a certain composition, make a note of the stops used. This will enable you to go back to the same registration quickly. Should you later find a better registration, you can easily change your notes.

## Extensions:

Your Johannus organ can be enhanced with a Johannus 4-channel acoustic system. You will find a standard output plug connection located at the back of the organ. This enables you to receive a special cathedral effect from your organ. The 8-pin socket is destined for an external loudspeaker-assembly. Your dealer will be happy to give you additional information or demonstrations.

**Technical Details:**

44 stops, 37 of which are independent speaking stops.

**Range of Keyboards:**

2 x 5 octaves from C-c''''

**Pedal**

32 note (AGO) pedalboard, or 30 note straight (Mechlin) pedalboard.

**Touch:**

The pressure required to depress the keys is comparable to that of a medium-size tracker organ.

**Amplifiers:**

Four amplifiers with four channels: maximum output, 4 x 25 = 100 watts.

**Headphone Connection:**

The headphone connection is a standard phone jack for all low impedance headphones.

**On/Off Switch:**

One switch control for the entire organ, in either 110 or 220 volts.

**Expression Pedal:**

The expression pedal controls the volume for the entire organ. If desired, it can work as a Separate Swell for manual II only, with the use of the "Unenclosed Great" stop.

**Chorus:**

The "Chorus" stop is used when a player wants a slight deviation in pitch between the generators. A delicate sense of tonal motion can be accomplished by turning the chorus knob to the right for more effect and to the left for less. The chorus effect is "off" when the knob is turned all the way to the left. This effect occurs within the compass of each manual as well as between the manuals when coupled.

**Tremulants:**

The organ has separate tremulants which eliminates the disturbing sound of tremulant in the pedal.

**Cathedral:**

This effect is created by the unique and patented Johannus acoustic system.

**Warranty Information:**

A special limited warranty complying with U.S. laws will be provided separately in a warranty card.

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**The use of the Capture System (memory system)**

In addition to the 6 factory presets the Johannus organ OPUS 230 may be equipped with a memory system in which 24 combinations of registrations can be programmed by the organist.

The stored registrations can be changed as desired and called on any time.

The total Capture System is divided into 3 independent memories, identified by the pistons M1, M2 and M3. Each of these will store 8 separate combinations with the use of the 8 pistons, located under Manual I.

In order to preserve registrations, once chosen and stored, the entire system is provided with a removable key.

Programming and/or changing registrations is only possible by inserting this key and turning it clockwise. To program all 24 individual memories in the complete capture system the following procedure must be followed:

- 1 - Choose the first registration to be stored by manually registering the desired combination
- 2 - Press Piston M1.
- 3 - Press Piston „Set”. Keep it pressed while simultaneously depressing Piston 1.  
This new registration chosen by you will be stored after releasing both Pistons.
- 4 - Choose the next registration and repeat the same procedure; however, using Piston 2 instead of Piston 1. This way you may continue through Piston 8.

The same procedure should be followed programming Memory 2 and Memory 3 by depressing M2 and M3 respectively instead of M1. To call a particular registration, depress the relevant Pistons to locate the desired Memory (M1, M2 or M3). Then push in relevant Pistons 1 through 8. When using one of the stored registrations, it is always possible to add stops by hand after setting the Piston HR + . The stored registration will remain intact.

The accessories tremulant and couplers can be added to any stored registration without setting the piston HR + .  
All stops, excluding "Chorus" and "Cathedral", can be included in the Capture System. The intensity of the illumination of the stops is adjustable.  
The presets and the Piston RO (reeds off) will always function independently of the Capture System.