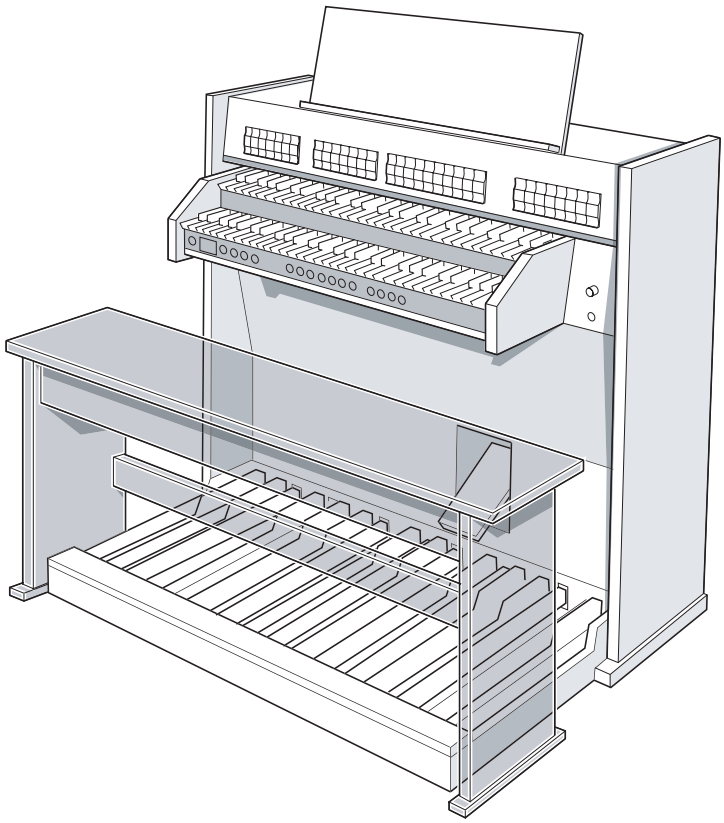
USER MANUAL

JOHANNUS STUDIO I AND II



JOHANNUS

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1 SAFETY

1.1 Safety precautions

- Place the organ on a horizontal, stable surface.
- Connect the organ to an electrical outlet with an earth connection.
- Turn off the organ when it is not in use.
- Do not place the organ in a damp area.
- Do not expose the organ to liquids.
- Follow the instructions and precautionary measures in this user manual.
- Keep this user manual with the organ.
- The organ may only be opened by a technician authorised by Johannus Orgelbouw b.v. The organ contains static-sensitive components. The warranty is void if the organ is opened by a non-authorised person.

1.2 Symbols on the organ

 Warning

 Warning for electric shock

 Warning for static-sensitive components

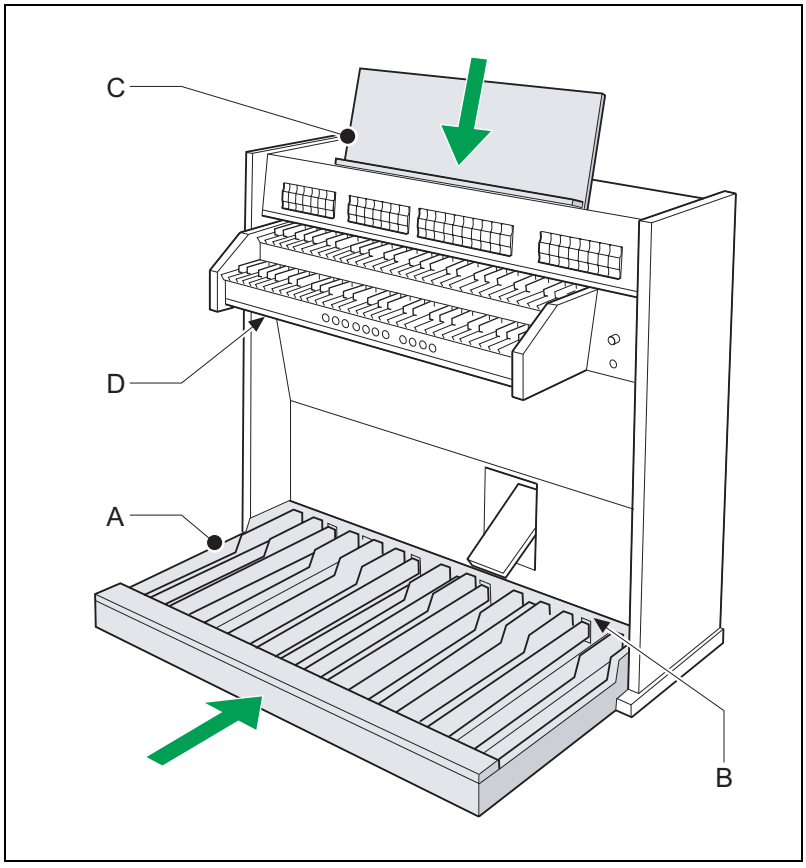
1.3 Symbols in the manual

 Warning or important information

 Note

2 INSTALLATION

2.1 Placement and connection



1. Place the organ on a stable, horizontal surface.
2. Lean the organ slightly backward.
3. Slide the pedal (A) against the pedalboard (B).
4. Set the organ upright.
5. Put the music desk (C) in the groove on the cover of the organ.
6. Place the organ bench over the pedalboard.
7. Make sure the voltage of the organ matches the voltage of the mains. See the serial plate (D).
8. Connect the organ to an electrical outlet with an earth connection.

2.2 Switching on

1. Switch on the organ with the on/off button at the right, next to the manuals.
   The lamps of the on/off, 0 and SET buttons go on.
2. Wait several seconds. Starting the control functions and the settings takes a little time.

2.3 Connecting and switching on the accessories (option)

You can connect accessories (for example, a MIDI-device) to the organ.

Follow the instructions provided in the documentation for the accessory.

1. Switch off the organ and the accessory.
2. Connect the accessory to the organ. The connections are on the rear of the organ.
3. Switch on the accessory.
4. Switch on the organ.

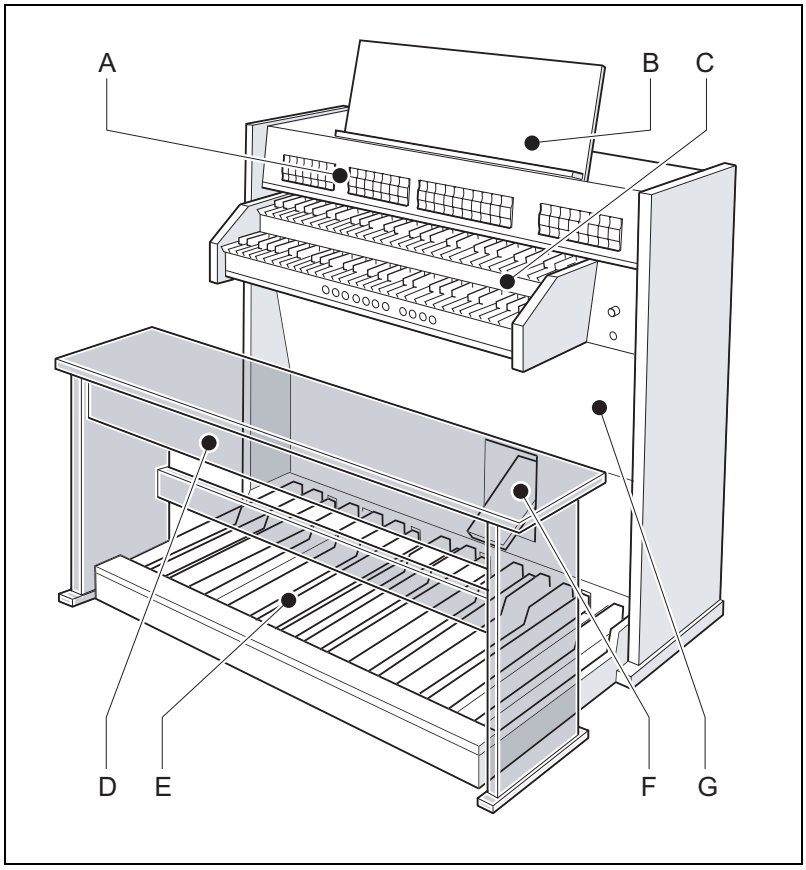
2.4 Transport and storage

Pay attention to the following during transport and storage:

- Remove the music desk and the pedalboard from the organ.
- Relative humidity within the storage area: 10 to 90%.

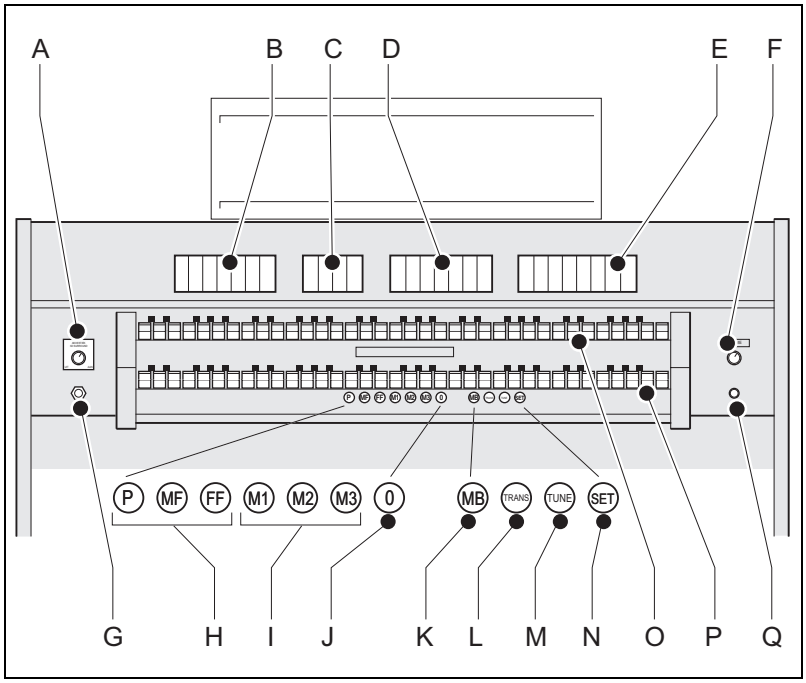
3 DESCRIPTION OF THE ORGAN

3.1 Overview of the main components



A	Stops	E	Pedalboard
B	Music desk	F	Expression pedal
C	Manuals	G	Loudspeakers
D	Organ bench		

3.2 Overview of controls



A	Acoustic volume	J	0-button or reset button
B	Accessories	K	Manual Bass
C	Pedal stops	L	Transposer
D	Great stops	M	TUNE
E	Swell stops	N	SET
F	Volume	O	Manual swell
G	Headphone jack	P	Hand registration
H	Memory locations	Q	On/off
I	Capture memory banks		

4 OPERATION

4.1 Volume adjustment

You can set various volume adjustments:

- **Volume control:** Adjusts the volume of the complete organ.
- **Expression pedal:** Adjusts the volume of the swell, independent of the volume of the complete organ.
- **Acoustic volume:** Activates and adjusts the length of the spatial reproduction.

4.2 Headphones

1. Use headphones with an impedance of 30 Ω or higher (see headphone specifications).
2. Connect the headphones to the headphone jack on the organ. The internal speakers will switch off automatically.

4.3 Stops

The stops are activated via rocker switches or the stop memory. See § 4.7. The lamp in the rocker-switch goes on when the associated stop is active.

The stops are divided into four groups:

- **Pedal stops:** A stop group for selecting the stops controlled by the pedalboard.
- **Great stops:** A stop group for selecting the stops controlled by the great organ.
- **Swell stops:** A stop group for selecting the stops controlled by the swell organ.
- **Accessories:**
  - **Manual and pedal couplers:** See § 4.4.
  - **Tremulants:** Activating an undulating organ sound.
  - **Chorus:** Tunes the various stops with respect to each other.
  - **Intonation 2:** Activates the baroque intonation. Normally the romantic intonation is active.

4.4 Couplers

- **Manual coupler:** Couples all of the keys for the swell stops to the great stops. Use the accessory Swell organ - Great organ to activate the Manual coupler.
- **Pedal coupler:** Couples all of the keys for the great stops or the swell stops to the pedal. Use the accessory Great organ - Pedal or Swell organ - Pedal to activate the pedal.
- **Manual Bass (MB):** Couples one note from the great stops to the pedal. Only the lowest note that is played on the great stops is coupled to the pedal. Activate the manual bass with the MB button.

4.5 Changing the registration

The 0-button cancels registration in two ways:

- A short press on the 0-button: Only the last change is cancelled.
- A long press on the 0-button: All stops are cancelled. The accessories Chorus and Intonation 2 are unaffected.

4.6 Pitch

The standard pitch is: A = 440 Hz. You can change the pitch with the TUNE button or the TRANS button in combination with the buttons P, MF, FF, M1, M2, M3 and 0. The TUNE button is for the fine adjustment of the pitch. The TRANS button is for shifting the pitch by half-tone increments. The table below provides an overview of the pitch change as a result of various button combinations:

	P	MF	FF	M1	M2	M3	0
Tune	-3 Hz	-2 Hz	-1Hz	440 Hz	+1Hz	+2 Hz	+3 Hz
Trans.	-1½ tone	-1 tone	-½ tone	0	+½ tone	+1 tone	+1½ tone

4.6.1 Tune

Checking the pitch

1. Press the TUNE button. The lighted button (P through 0) indicates the pitch.

The light in the TUNE button must remain lit while the pitch programming is changed.

Changing the pitch

1. Press the TUNE button.
2. Press the button (P through 0) for the desired pitch shift.
3. Wait until the lights in the TUNE button and the P through 0 buttons go out.

The pitch shift is not stored in memory. When the organ is switched on again, the most recently programmed pitch will be active.

Programming the pitch

1. Press the TUNE button.
2. Press the button (P through 0) for the desired pitch shift.
3. Press the SET button.
4. Wait until the lights in the TUNE button and the P through 0 buttons go out.

The pitch shift is stored in memory. When the organ is switched on again, the programmed pitch will be active.

4.6.2 Transposer

Checking the pitch

1. Press the SET button. The lighted button (P through 0) indicates the pitch.

The light in the TRANS button must remain lit while the pitch programming is changed.

Changing the pitch

1. Press the TRANS button.
2. Press the button (P through 0) for the desired pitch shift.
3. Wait until the lights in the TRANS button and the P through 0 buttons go out.

The pitch shift is not stored in memory. When the organ is switched on again, the most recently programmed pitch will be active.

Programming the pitch

1. Press the TRANS button.
2. Press the button (P through 0) for the desired pitch shift.
3. Press the SET button.
4. Wait until the lights in the TRANS button and the P through 0 buttons go out.

The pitch shift is stored in memory. When the organ is switched on again, the programmed pitch will be active.

4.7 Stop memory

Through use of the stop memory, a regisration can be made active with just one button. Only the accessories Chorus and Intonation 2 cannot by programmed in the stop memory.

The stop memory consists of two types of memory locations:

- Fixed memory locations: Available via the buttons P, MF and FF. The three fixed memory locations have factory settings (presets) appropriate for the soft Piano (P), the moderately loud Mezzo Forte (MF) and the very loud Fortissimo (FF). See § 4.7.1.
- Capture memory locations: Available via the combination of the capture memory banks M1, M2 and M3 with the buttons P, MF and FF. The nine capture memory locations are not pre-programmed and can be programmed by the musician. See § 4.7.2.

4.7.1 Fixed memory location

Calling up a fixed memory location

1. Push in the fixed memory location button (P through FF). The active stops light up.

Programming a fixed memory location

The current setting of the fixed memory location will be lost.

1. Select the desired stops.
2. Push in the SET button. Hold in the button.
3. Push in the desired fixed memory location button (P through FF).
4. Release the fixed memory location button (P through FF).
5. Release the SET button.

Restoring the factory settings

The settings you have made in the fixed memory locations will be lost.

1. Switch off the organ.
2. Push in the FF and M1 buttons. Hold in the buttons.
3. Switch on the organ.
4. Wait until the lights in the 0 button and SET button are lit.
5. Release the FF and M1 buttons.

4.7.2 Capture memory location

Calling up a capture memory location

1. Push in the desired capture memory bank (M1 through M3).
2. Press the desired memory location (P through FF). The active stops light up.

Programming a capture memory location

The current setting of the capture memory location will be lost.

1. Select the desired stops.
2. Press the desired capture memory bank (M1 through M3).
3. Push in the SET button. Hold in the button.
4. Push in the desired memory location (P through FF).
5. Release the memory location button (P through FF).
6. Release the SET button.

Clearing the capture memory locations

The settings you have made in the capture memory locations will be lost.

1. Switch off the organ.
2. Push in the MF and M2 buttons. Hold in the buttons.
3. Switch on the organ.
4. Wait until the lights in the 0 button and SET button are lit.
5. Release the MF and M2 buttons.

4.8 Factory intonation

Saving the intonation settings (option)

1. Connect a PC to the organ. Use the MIDI connection. See § 2.3.
2. Save the intonation settings on the PC using the intonation program from Johannus.

Restoring the factory intonation

The current intonation settings will be lost if the settings are not saved on a PC.

1. Switch off the organ.
2. Push in the P and M3 buttons. Hold in the buttons.
3. Switch on the organ.
4. Wait until the lights in the 0 button and SET button are lit.
5. Release the P and M3 buttons.

5 MAINTENANCE, PROBLEMS AND WARRANTY

5.1 Maintenance

Overview

Component	Maintenance	Frequency
Cabinet	Cleaning. See § 5.1.1.	As required
Manuals	Cleaning and removing scratches. See § 5.1.2.	As required

5.1.1 Cabinet maintenance

The cabinet is made of solid wood and wood veneer.

- Do not use furniture polish or teak oil to clean the organ cabinet.
- Direct sublight may discolour the organ cabinet.

1. Clean the cabinet with a damp cloth.
2. Rub the cabinet dry with a lint-free cloth.

5.1.2 Maintenance of the manuals

The manuals are plastic.

Do not use aggressive cleaning agents such as paint thinner or acetone to remove dirt.

1. Clean the manuals with a damp cloth.
2. Rub the manuals dry with a lint-free cloth.
3. Remove any scratches with car polish.

5.2 Problems

Overview

Problem	Cause	Solution
Pedal does not work properly	The pedal magnet is making poor contact with the magnetic switch at the rear of the pedalboard.	Reposition the pedalboard. See § 5.2.1.
Organ functions do not work properly	The organ is not earthed.	Connect the organ to an electrical outlet with an earth connection.

5.2.1 Repositioning the pedal

1. Make sure the organ is placed on a stable, horizontal surface.
2. Lean the organ slightly backward.
3. Slide the pedal against the pedalboard.
4. Set the organ upright.
5. Make sure the pedalboard works properly.
6. Contact your dealer if the pedalboard does not work properly.

5.3 Warranty

The conditions are specified in the warranty certificate. The warranty is void if changes or repairs are made to the organ by persons or organisations that are not authorised by Johannus Orgelbouw b.v.

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