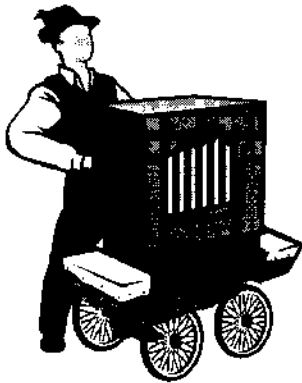


Strassen Orgel Model 20 Owner's Manual

S/N _____

Congratulations on the purchase of your new model 20 Strassen Orgel. To assure your complete satisfaction, all of our organs have received the greatest attention to detail, from fit to finish. Before assembling or operating the organ, please take a few minutes to read through the operations manual.



While carefully unpacking the organ from its original shipping box, please read through the following inventory list to aid in identifying the various components that have been included. They are:

- 1 crank handle
- 1 battery charger
- 1 music card
- 1 list of songs

Keep the specially designed packaging materials for future transportation needs.

Assembly:

A few minutes of assembly time will be required before the organ is operational.

To attach the crank handle to the organ, back out the silver thumbscrew located on the crank handle. Slide the crank handle over the drive shaft, lining up the threaded hole in the crank handle with the flat on the shaft. Be certain the pin through the shaft is completely captured by the slot on the crank handle. Tighten the thumbscrew.

Operating the Organ:

Before playing the organ, a music card must be installed into the electronics module. To expose the electronics module, carefully lift the back-end of the lid of the organ. The electronics module is fastened to the underside of the lid. This module is the “brain” of the organ. Insert the music card upright (song list on top), with the receptacle end of the card inward. When properly installed, the electronics module displays a “00”.

To play the organ, simply rotate the crank handle in either a clockwise or counter clockwise direction. The organ will immediately begin to play. The organ will continue to play as long as the crank handle is rotated. When cranking is halted, the organ will stop playing. If cranking is resumed within 5 seconds, the organ will pick up the selected tune at the place where the song was interrupted. If cranking is halted for 6 or more seconds, the electronics module will reset itself to the beginning of that selection.

Note: At no time should the crank handle be used to lift or move the organ in anyway. It has been carefully crafted out of aluminum, and will break if excess force is applied!

Selection Switch:

The LED display on the electronics module represents the selection currently being played, with “00” being the first available selection. To the immediate right of the LED display is a black rocker switch. This switch allows the operator to toggle between the selections that are programmed on the music card. The rocker switch may be used at anytime to move between selections.

Tempo Adjustment:

The Tempo of the organ may be adjusted by turning the knob located on the front panel of the electronics module. To slow the tempo, rotate the knob counter-clockwise. To increase the tempo, rotate the knob clockwise. Tempo may be adjusted anytime the organ is being played.

Sequenced/Fixed Selector Switch:

To the left of the LED display, is the “Sequence/Fixed” toggle switch. When in the fixed position, the selection being played will be repeated until either the operator stops playing, or the toggle switch is switched to the sequence position, at which point the selections will be played in the order that they appear on the LED display.

Battery Level Indicator:

Two battery indicator status lights, located at the base of the LED display, are there to keep the operator informed of the status of the battery level. If neither of the LED dots is visible, the battery has a full charge. One dot signifies 70% of the battery’s power has been consumed. When both dots appear, 90% of the battery’s power has been consumed, and a recharge will be required soon. The battery will operate the organ for approximately 10 continuous hours.

Battery Charging:

To recharge the battery, plug the male end of the battery charger into the small round receptacle provided in the Plexiglas cover, located under the lid of the organ. Then plug the wall unit into any 110 VAC outlet. The battery will automatically begin to charge. The charger is a “trickle” charger that will slip into maintenance mode when the battery is fully charged. It is not necessary to leave the charger connected when the battery has reached full charge. Recommended charging time is 12 hours.

Fuse:

A 1 1/2-amp fuse has been wired into the electrical system to protect all electrical components. It is wired between the red (+) terminal of the battery and the chest terminals. To gain access to the fuse, the Plexiglas cover will need to be removed.

Off Switch:

The organ and all its components will automatically turn off after 4 minutes since the organ was last played.

Maintenance and Cleaning:

The organ has been designed for indoor and outdoor use, however it is not waterproof.

The cabinetry of the Strassen Orgel has been handmade. Just like fine furniture, it has been hand-sanded, stained and lacquered. A quality furniture polish in combination with a soft cloth (cheese cloth is recommended) can be used to clean all wood and metal surfaces. When cleaning the brass panpipes, take care to support the tops of the pipes. Apply very little pressure to them when rubbing them, to prevent from breaking the glue bond holding them in place.

When storing the organ, keep it in a dry environment and out of direct sunlight.

Tuning the organ should not be required unless the organ has sustained damage due to a fall or other encounter. Before each organ is shipped from the factory, its pipes are carefully tuned and fixed into place. When moving the organ between extreme temperatures changes (20⁰ F or more), allow the organ to adjust to the temperature differential for 20-30 minutes before operating. It does no harm to operate the organ under these conditions, however the materials in the pipes need to stabilize in temperature or they will sound out of tune. If you feel the organ is out of tune, please contact our sales office.

To view internal operations of the organ, an access door has been provided on the front of the organ. Facing the front of the organ, carefully pull open the right side of the front panel. The organ may be operated while the access door is open. To close the door, align the ball on the door with the catch mounted to inside of the cabinet, and close.

After some use, the mechanism that supports the lid will “break in”, results in a lid that may close under its own weight. To adjust the opening and closing force of the lid, tighten or loosen (whichever is required), the large brass phillips screw on the sliding brass arm, fastened to the inside, side of the cabinet.

Troubleshooting:

The Strassen Orgel has been designed to be user friendly and almost entirely maintenance free. In the rare event that a problem with the organ does occur, follow the instructions below to correct the problem. Should problems with the organ persist, contact our sales office.

Symptom: Rotating crank handle, but no sound. LED displays "--".

Solution: Music card is not plugged into the electronics module correctly. Check to see that it is inserted with the "insert card this way" pointed into the electronics module.

Symptom: Rotating crank handle but no sound. LED displays "00", or other numerical value.

Solution: Green connector in back of electronics module not plugged in properly.

Symptom: Organ sounds erratic, not all pipes are playing. Both indicator lights are flashing.

Solution: Battery needs to be recharged. Follow battery charging instructions provided earlier in this manual.

Symptom: All pipes are playing, but sounds out of tune.

Solution: Organ is out of tune. Contact our sales office.

With the proper care, this Strassen Orgel will provide you with many years of entertainment, pride and happiness. Viel Vergnugen!

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