

Royal Alliant Operating / Programming Instructions

The touch pad controls are mounted on both arm posts. The four arrowed buttons clustered around the picture of the dental chair are the manual controls and the arch of 3 lettered buttons at the top are for programmed functions.

Chair Backrest

To move the chair backrest, push and hold one of the arrowed buttons at the 3 o'clock or 6 o'clock position. The button towards the rear reclines the back, the forward button raises the backrest. The seat automatically tilts slightly when the backrest is moved.

Chair Base

To change the chair height, push and hold the 12 o'clock button to raise the chair. Push the 6 o'clock button to lower the chair.

Auto Return (Exit Position, not programmable)

To lower the chair completely and bring the backrest upright, locate the red button labeled **AR**. Press and release this red button and the chair will move to the exit position.

Auto Position

To automatically raise the chair and recline the backrest to a pre-set position, press and release the green **AP** button. Then immediately press and release one of the 4 arrowed manual control buttons. Each of the 4 manual buttons corresponds to a different **AP** preset position.

Programming Auto Position

The chair comes preprogrammed. This process allows changing of the programmed positions. Run the chair to the desired position using the manual control buttons. Push and hold the **AP** button. While holding **AP** push and hold the "base down" button until you hear 2 beeps (approx. 5 sec.). The present position is stored in memory and any time **AP** is followed by "base down" the chair will return to this position. A suggested program group follows: base up = lower arch; base down = upper arch; back down = exam; back up = x-ray.

Last Position (LP)

The chair comes with the LP "interim" position preprogrammed. You can reprogram this position by using the manual controls to position the chair where you would like this "interim" position to be. Then press and hold both the **AP** and **LP** buttons until you hear 2 beeps (approximately 5 seconds).

Programming LP "Interim" Position

The location of the "interim" position can be reprogrammed by using the manual switches to position the chair where you would like this "interim" position to be. Then press and hold both the **AP** and **LP** buttons until you hear 2 beeps (approximately 5 seconds).

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Patient Entry or Exit

Grasp the armrest at the mid point, lift and swing outward to the middle lock stop. To return the armrest, lift it and swing it back to the front. Entry or exit can be done from either side of the chair. NOTE: *for wheelchair patients, swing armrest past the mid point stop, toward the back of the chair to allow easier entry/exit.*

Chair Rotation

To operate the chair rotation, locate the handle directly behind the seat cushion. To unlock the chair pull the handle clockwise. The chair will swivel 30 degrees left or right for a total of 60 degrees. To lock the rotation pull the handle counter clockwise.

Headrest

To adjust the location of the headrest, grasp both sides of the headrest backboard and pull up or push down. The pillow may be slid down lower than the backboard onto the backrest to accommodate a patient that needs the pillow at a lower position.

Power Light

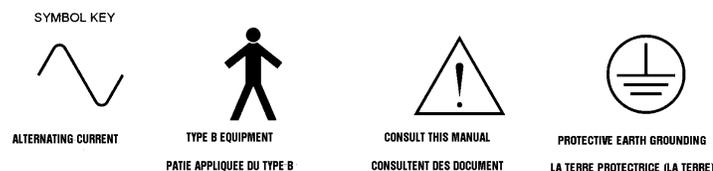
The green light mounted low on the front of the base shroud indicates that power is reaching the chair controller. To turn the power off unplug the chair's power cord. If the chair is plugged in and the light does not come on please call your service representative. The chair does have two replaceable fuses rated at 8 amps, 250 volts. These fuses should never fail under normal operation. If a fuse does fail it indicates a problem that should be repaired by a service technician.

Cleaning Instructions and Maintenance

See the separate cleaning instructions for the upholstery and chair. The chair does not require any scheduled maintenance.

Operating Conditions and Specifications

The chair is intended for the typical intermittent operation of a dental office. Do not run the chair continuously for more than one minute. Also, do not cycle the chair in a manner that would require the chair to move more than 7% of the time. Weight lift recommendation is 450 pounds. Higher loads will result in slower lifting speeds. The UL moisture rating against harmful ingress of water is – Ordinary Equipment. Using the chair in a manner other than intended may defeat the chairs built in protections. The chair is rated by ETL at 8 amps max., 120 volts, 60Hz.



For further assistance contact your dental equipment dealer or Royal Dental Mfg., 12414 Highway 99, Suite 29, Everett, WA, 98204. Additional information is available on our website: royaldentalgroup.com, under customer service.