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AJ10 Instructions for Use

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This document is intended to be used in conjunction with the equipment.

Comments and feedback

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Product Service

If you want to get service information, please contact the local dealer authorized by ADS.

Technical support tel: 800 488 9708

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1 Introduction

1.1 Purpose

Thank you for choosing our products. This equipment is mainly used in dental comprehensive treatment, and cannot be used for other purposes.

1.2 Service Life: 10 Years







1.3 Cautions




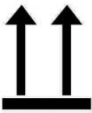








- Before operating the dental unit, read the manual carefully.
- Input voltage: AC 110V, 50 Hz.
- Make sure the dental unit is well-grounded.
- This dental unit needs professional maintenance.
- All the electrical parts and connections must be installed by an authorized technician.
- Only fuse and accessories recognized by ADS can be used.
- After using this dental unit or if this dental unit is not to be used, the dental chair must be set to the lowest position and water, air, and power supply must be cut off.
- Do not use this dental unit in high-temperature, high-humidity, vibratile, flammable, or dusty environment.
- The lifting and lowering system of this equipment is an intermittent working equipment with a duty cycle of 10%, and the continuous operation time must not exceed 1 minute.
- Only the authorized spare parts can be used in this device.
- This dental unit should not come into contact with any object in its operational range of movement.
- Do not touch the bulb and the reflective sheeting of the dental light of the dental light while it is working.
- This device cannot be used in strong magnetic or electromagnetic environment.
- This device should not be used for purposes other than intended use.
- The water source for this dental units is required to be purified tap water. The water quality used to be in accordance with the local standards for water used for human consumption, with water hardness ≤ 450 mg/L.

1.5 Product Information

- Product Name: Dental Unit
- Model: AJ10
- Operation conditions:
 1. Ambient temperature: 5°C ~ 40°C
 2. Relative humidity: $\leq 80\%$
 3. Atmospheric pressure: 86 kPa ~ 106 kPa
 4. Input voltage: 110V ~
 5. Frequency: 50 Hz
 6. Water pressure: 200 kPa ~ 400 kPa
 7. The surface for mounting the dental unit must be level, and the angle of inclination after installation must not exceed 0.5° .
 8. This dental unit cannot be used in high-temperature, high-humidity, vibratile, flammable, or dusty environment.

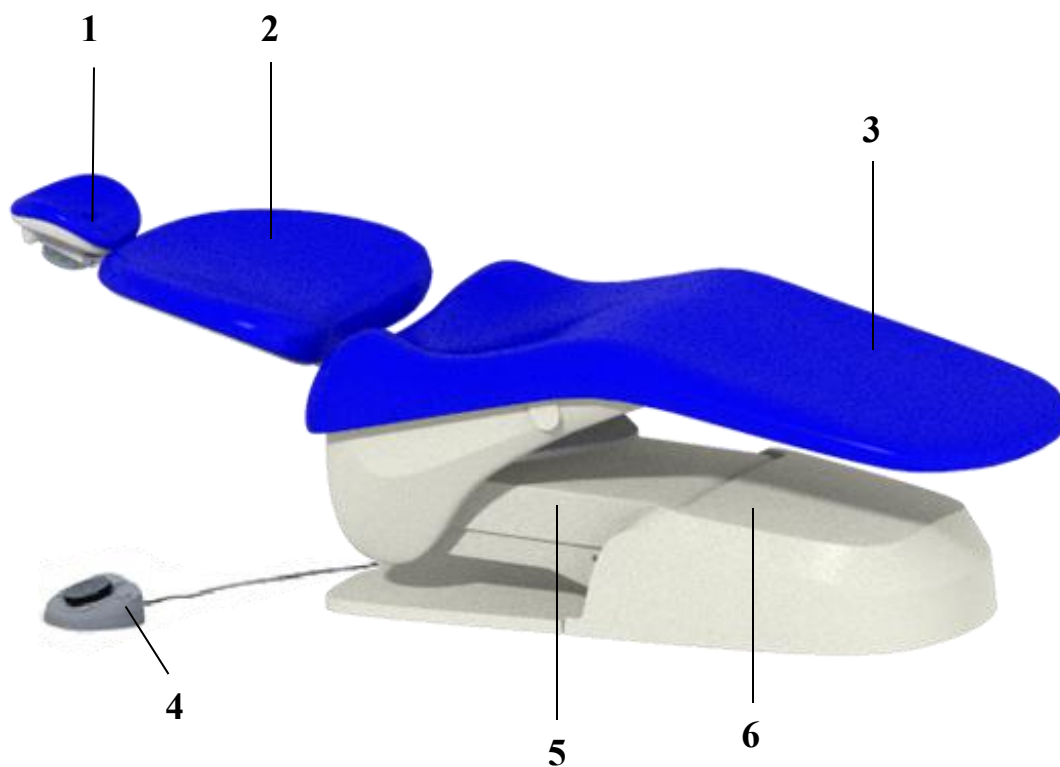
1.6 Symbols Explanation

 Manufacturer	 Authorized representative in the European Community/European Union
 Date of Manufacturing	 Serial number
 Fragile	 Keep dry

 <p>Consult instructions for use or consult electronic instructions for use</p>	 <p>Collect electronic and electrical equipment by classification</p>
 <p>Refer to instruction manual/booklet</p>	 <p>This side up</p>
 <p>Type B applied part</p>	 <p>General warning sign</p>
 <p>Warning: Electricity</p>	 <p>Humidity limitation</p>
 <p>Connect an earth terminal to the ground</p>	 <p>Atmospheric pressure limitation</p>
 <p>Settings</p>	 <p>Temperature limits</p>

2 Product Overview

AJ10 Dental Chair



Item	Component	Item	Component
1	Headrest	4	Footswitch
2	Backrest	5	Lifting Arm
3	Seat Upholstery/Toeboard	6	Junction Box

3 Product Specification

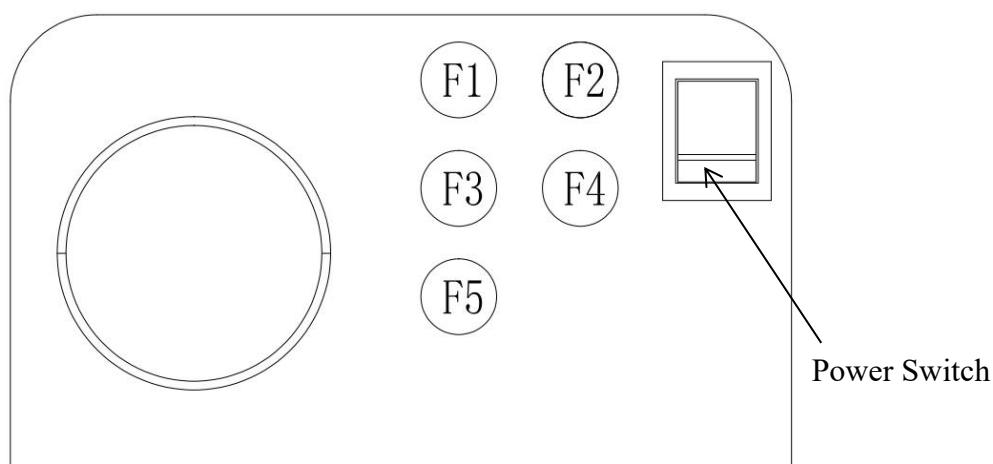
Electrical Rating	350 VA
Chair Load Capacity	180 kg
Tray Load Capacity	2.5 kg
Highest Position of the Dental Chair	790 mm
Lowest Position of the Dental Chair	438 mm
Backrest Movement Range	1° - 71°
Headrest Extension Length	0-180 mm
Main Building Fuse	250 V 6 A
Power Cord	227 IEC 53 (RVV) 3x0.75 mm ²

4 Basic Operations

This section provides basic operation instructions for the dental chair, Delivery system, assistant's instrumentation, and water unit with cuspidor.

4.1 Power

Power switch position.



Note: To prolong the life of the dental unit, turn off the power switch when the dental unit is not in use.

4.2 Chair Positioning

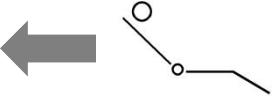
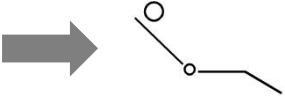

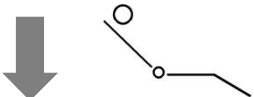
You can operate the chair manually or by footswitch.

4.2.1 Footswitch Operations

The base up/base down button raises and lowers the dental chair. Press the up or down arrow on the electric footswitch and hold until the dental chair is adjusted to the expected position.

The backrest up/backrest down button controls the movement of the backrest. Press the right or left arrow on the footswitch panel and hold until the backrest is adjusted to the expected position.








0	Initial Chair Position
1	Preset Position 1
2	Preset Position 2
P	Setting
LP	Rinse Position
	Backrest Down
	Backrest Up
	Base Up
	Base Down

4.2.2 Junction Box Fuse

Junction Box Fuse

Fuse Configuration

		F1:F2(220V AC Input): F 6A F1:F2(110V AC Input): F 10A
		F3(22V AC White): F 10A F4(24V AC Red): F 10A
		F5(12V AC Black): F 10A

F1: F2(220V AC Input):F 6A (power input)

F1: F2(110V AC Input):F 10A

F3: 22V AC(White):F 10A (control core box power)

F4 (24V Red):F10A (water unit and dentist's control power)

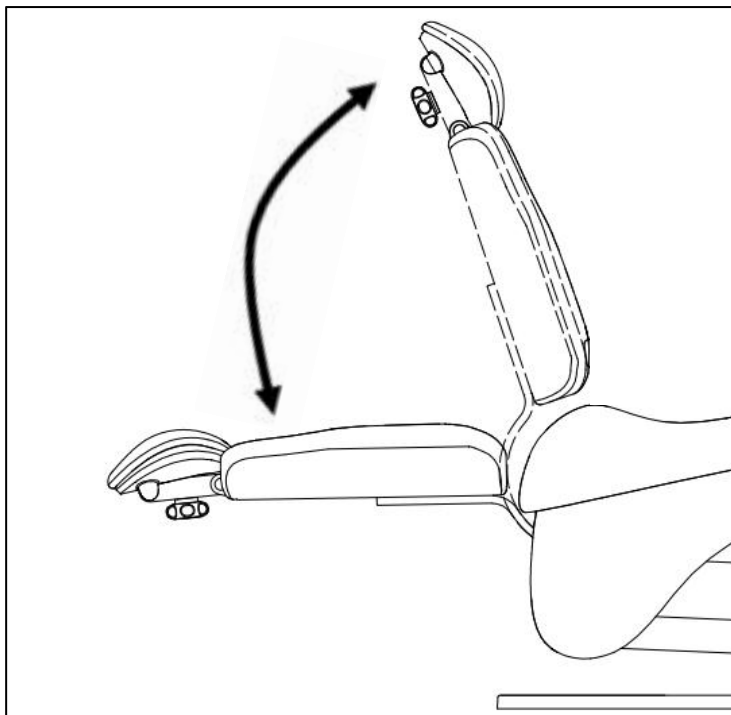
F5 (12V Black):F10A (dental light power)

Note:  symbol indicates protective earth (ground) (ISO 60417-5019).

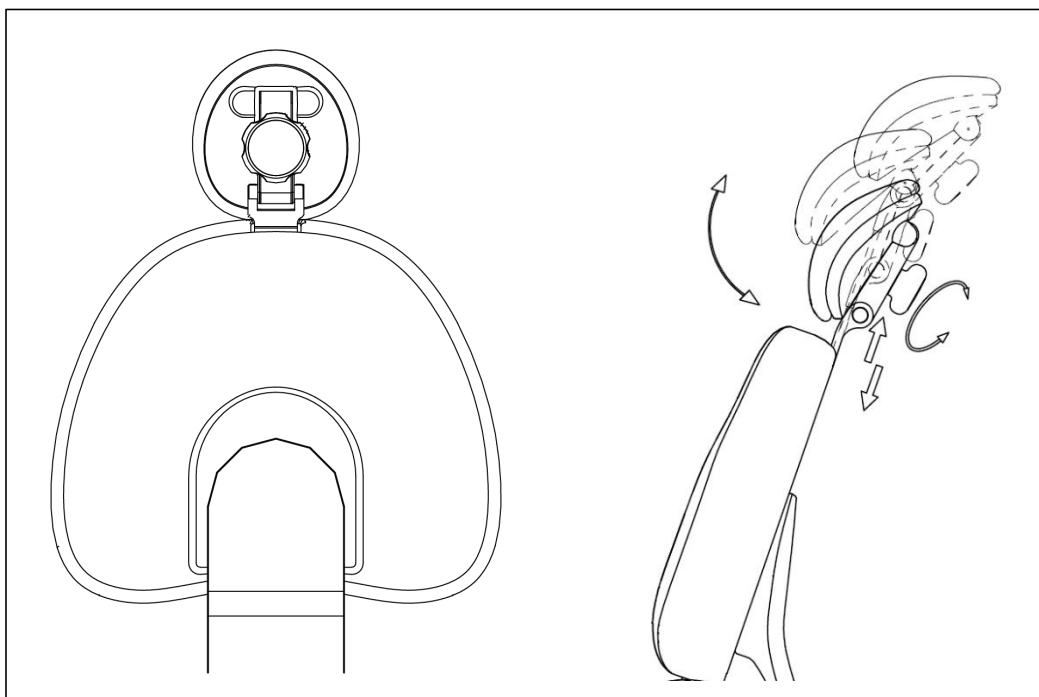
4.3 Backrest Adjustment

Movement range

1°~71°



4.4 Headrest Adjustment



To adjust the headrest:

1. Release the headrest by turning the locking knob counterclockwise.
2. Adjust the headrest for a proper fit.
3. Lock the headrest by turning the locking knob clockwise.

5 Clean the Dental Unit Surface

Clean the surface of the dental unit with cleaning water periodically.

Touch Surfaces and Transfer Surfaces

- Touch surfaces refer to areas that need to be contacted during dental treatment and become potential points of cross-contamination.
- Transfer surfaces are those that become contaminated through contact with instruments and other stationary objects.

ADS recommends isolating all applicable touch surfaces and transfer surfaces. The isolation material used must be FDA-approved plastic barrier film. After treating each patient, the plastic barrier film must be removed and disposed of.

Do not use organic solvents or acidic substances for cleaning (such as gasoline, alcohol, etc.), as this may cause the leather to crack, develop an odor, or fade.

Metal components and plastic parts can be cleaned with a soft cloth dipped in soapy water or a neutral cleaner.

Dental Chair Leather Disinfection Guidelines

It is recommended to disinfect the leather daily using 3% hydrogen peroxide, genuine leather moisturizing cream, and 3% multi-enzyme disinfectant solution. Follow the disinfectant instructions for cleaning and then wipe clean with water.

Disinfection Precautions

Do not use alcohol, glutaraldehyde disinfectant, 84 disinfectant, disinfectants containing benzalkonium chloride, disinfectants containing cetylpyridinium chloride propyl alcohol, or any acidic or alkaline disinfectants for disinfection. Any resulting color changes, cracking, or aging of the leather are not covered under the normal warranty for the leather.

We reserve the right to make any alteration which may be due to technical improvements.



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