CQ MEDICAL®

PRODUCT GUIDE & USER MANUAL

XT-5100-ZW

- XT-MR5502 – MR Stretcher
- XT-5100-Z – AirDrive EZ

MR Stretcher with AirDrive

CE	**UK Responsible Person** QServe Group UK, Ltd. 49 Greek Street Soho, London W1D 4EG United Kingdom	
Qfix 440 Church Rd, Avondale, Pennsylvania, USA +1 712-737-8688 www.CQmedical.com	CH REP	Raditec Medical AG Schlossberg 5a 5454 Bellikon Switzerland

143-343_EN_0 / 2026-05

GENERAL PRECAUTIONS

⚠ WARNING STATEMENTS

! WARNING ! No modification of this equipment is allowed. If any part of this device experiences a catastrophic load, appears damaged or functions improperly, discontinue use immediately and contact CQ Medical at +1 712-737-8688 or support@CQmedical.com.

! WARNING ! Follow your local regulations for disposal of the MR Stretcher with AirDrive and its components.

SERIOUS INCIDENTS

Please report any serious incidents (e.g. incidents which result in or have the potential to result in death or serious injury) to both CQ Medical and your country's Competent Authority.

SAFETY INFORMATION

The MR Stretcher with AirDrive should never be operated when loading or unloading a patient on AirShuttle device.

The MR Stretcher with AirDrive has been designed to be operated by two people.

! WARNING ! The maximum safe working load for the MR Stretcher with AirDrive is 300kg (660lbs). Refer to the Instructions for Use of Receiving Systems, the AirShuttle, and the MR 5502 Operators Manual for their maximum safe working loads. DO NOT exceed the lowest load rating.

! WARNING ! Use caution when moving the MR Stretcher with AirDrive to avoid patient injury. Extreme care has been taken to minimize trapping zones and other hazards associated with the system. However, potential trapping zones include:

- Between the AirShuttle and stretcher top when loading and unloading the patient
- Between the siderail and stretcher top when raising or lowering the siderails
- Between the MR Stretcher with AirDrive and Receiving System e.g. CT, MR, Linac, etc..

! WARNING ! Ensure all accessories including AirShuttle Transfer Handles are secured to the AirShuttle prior to use.

! WARNING ! Avoid tugging on hoses / monitor lines while transferring / transporting.

! WARNING ! To avoid collisions, prior to adjusting the height of the MR Stretcher with AirDrive, ensure that the path is clear.

! WARNING ! Ensure that both MR Stretcher with AirDrive and the receiving surface have brakes engaged.

ENVIRONMENTAL CONDITIONS

Operating

- Temperature: 10°C to 40°C (50°F to 104°F)
- Humidity: 10% to 90% non-condensing
- Atmospheric: 700–1060 hPa

Storage

- Temperature: 0°C to 50°C (32°F to 122°F)
- Humidity: 0% to 95%
- Atmospheric: 700–1060 hPa

Shipping

- Temperature: -29°C to 60°C (-20°F to 140°F)
- Humidity: 0% to 95%
- Atmospheric: 700–1060 hPa

MRI SAFETY INFORMATION

Non-clinical testing has demonstrated the **AirDrive** is MR Conditional. This device may be used with an MR system only under the following conditions:

- Static magnetic field of 3T or less.
- The Receiving System is in a braked or otherwise fixed condition prior to patient transfers taking place.
- The AirDrive is permanently installed into MR Stretcher by authorized CQ Medical Technicians

Non-clinical testing has demonstrated the **AirShuttle Pendant Switch** are MR Conditional. These devices may be used with an MR system meeting the following conditions:

- Static magnetic field of 3T or less.

MR Non-clinical testing has demonstrated the **AirDrive Pneumatic Foot Switch** is MR Safe. This device may be used in an MR environment.

MR The battery charger is considered **MR Unsafe**

! NOTE ! When using the MR Stretcher with AirDrive in an MR environment, ensure that all conditions of use in MR are met. Refer to MRI Safety Warnings.

! WARNING ! Not adhering to the conditions described above when using **AirDrive** and other components of the AirDrive system in the MR environment may result in injury to the patient or clinician.

! WARNING ! Recommended maintenance and service, as well as use of only CQ Medical-provided accessories, components, and replacement parts, are necessary to ensure the safety, performance, and MRI compatibility of the product(s), as well as to maintain applicable warranties.

! WARNING ! Maintenance and other service of CQ Medical products should never be performed in an MR environment.

! WARNING ! Use of unapproved MR accessories may result in:

- Injury to patient
- Patient burns
- Damage to equipment

Use only proven MR Safe or MR Conditional accessories, tested and approved for your MR system.

Consider the MR compatibility of accessories prior to use on your MR system.

ELECTRONIC EMISSIONS

The AirDrive is classified as Emissions Class A and has been tested to Immunity to RF Electromagnet Fields at a level of 3 V/m per IEC 60601-1-2. The AirDrive is an electronic device that may interfere with other electronic devices. If the AirDrive interferes with other electronic devices, move the AirDrive away from affected device(s).

! WARNING ! The AirDrive may be affected by emissions from nearby electronic devices, including devices adjacent to or placed on the AirDrive. Emissions may affect control of the AirDrive, rendering them inoperable. In the event that control of AirDrive is impaired, separate the AirDrive and the emitting devices by a sufficient distance. If electronic devices are to be used on or adjacent to the AirDrive, this equipment and the AirDrive should be observed to verify that they are operating normally.

! WARNING ! Use of accessories and cables other than those specified or provided by CQ Medical could result in increased electromagnetic emission or decreased electromagnetic immunity of this equipment and result in improper operation.

! WARNING ! Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 42 cm (16.5 inches) to any part of the AirDrive Trolley. Otherwise, degradation of the performance of the trolley could result.

! WARNING ! If this device experiences electromagnetics disruptions which affect basic safety or essential performances during the expected service life discontinue use immediately and contact CQ Medical at +1 712-737-8688 or support@CQmedical.com.

! NOTE ! Emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. Users might need to take mitigation measures, such as relocating or re-orienting equipment.

ADDITIONAL PRECAUTIONS

! WARNING ! The AirDrive is electrically powered. To prevent injury, this system's electronics, internal fuses, and internal battery should be serviced by CQ Medical-approved service personnel only.

! WARNING ! The MR Stretcher with AirDrive is not intended for use in oxygen rich environments or with flammable agents

The use of additional immobilization devices may create additional trapping zones not described in this Product Guide and User Manual.

Use of the the following devices are trip hazards:

- Charging Cable
- Transfer Hose
- Foot Pedal

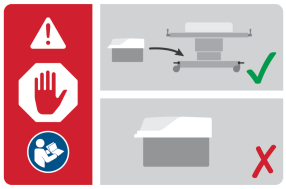
Take care in managing these devices to avoid potential tripping and snag scenarios.

Ensure that the transfer hose is properly seated in the AirShuttle Air Inlet prior to use of the air source.

Refer to the MR 5502 Operators Manual for additional information and warnings.

WARNING AND DESCRIPTIONS

Refer to www.CQmedical.com/CQM/Resources/Symbols-Glossary for a listing of symbols and their definitions.

	LITHIUM IRON PHOSPHATE BATTERY
	NOT FOR USE IF UNINSTALLED

INTENDED USE

The MR Stretcher with AirDrive is intended to aid in transfer of a patient when used with compatible AirShuttle devices, including during imaging and treatment.

! NOTE ! United States Federal law restricts this device to sale by or on the order of a physician.

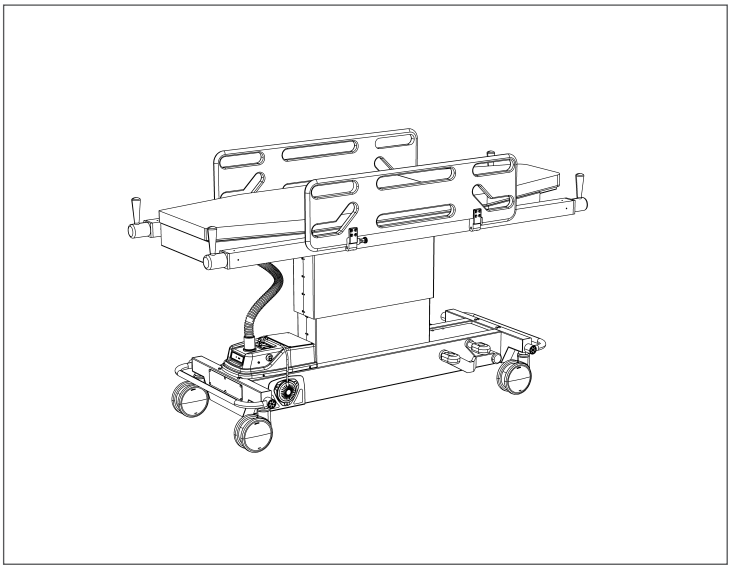
Patient Target Groups

Patients undergoing radiation therapy, diagnostic imaging procedures, or other procedures involving transfer of a patient.

Intended Users

The intended user for the products is a person qualified in accordance with the requirements of the regulatory region.

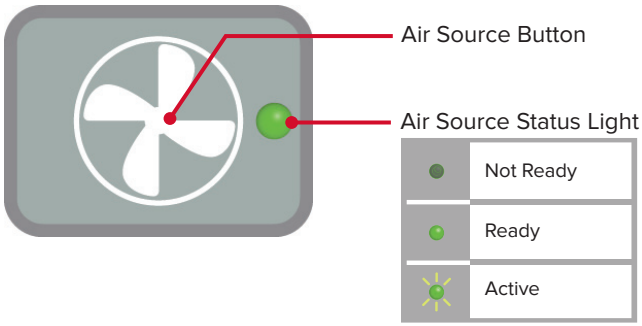
GETTING TO KNOW YOUR MR STRETCHER WITH AIRDRIVE



BATTERY STATUS LIGHTS

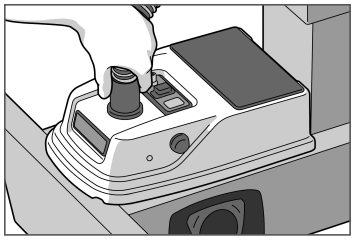
	Charging (flashing in sequence)
	Fully Charged
	Partially Charged • 1 or 2 green lights illuminated
	Low Charge • Critically Low (flashing with alarm)

AIRSOURCE BUTTON

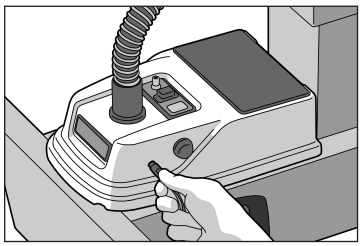


GETTING TO KNOW YOUR MR STRETCHER WITH AIRDRIVE

INSTALLING THE TRANSFER HOSE



INSTALLING THE CHARGING CORD



! NOTE ! The air source is disabled while charging.

! NOTE ! The AirDrive is not operational when charging.

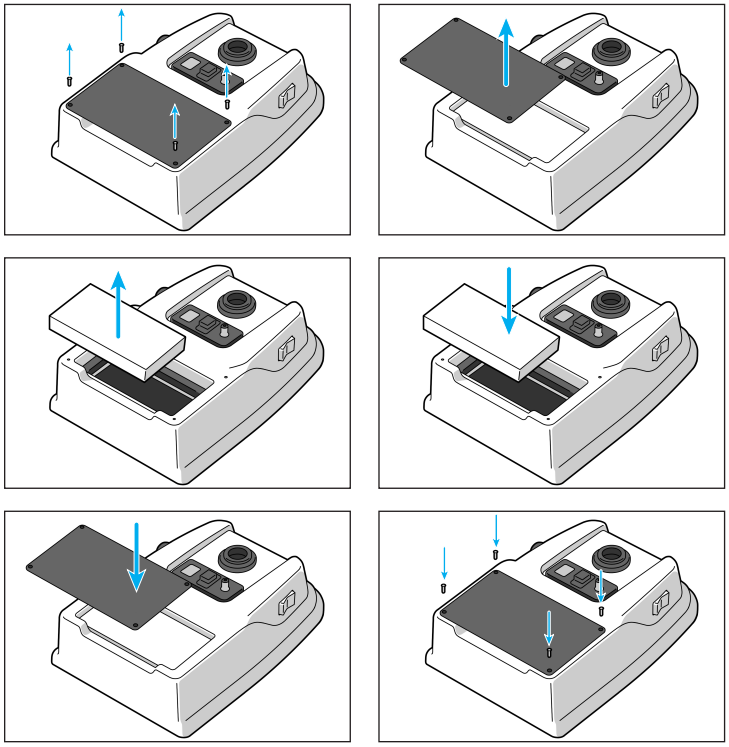
! NOTE ! Use only the supplied charger.

! NOTE ! Position the AirDrive close to the charging outlet in a way that does not impede disconnecting the charger from the wall or device.

! NOTE ! To prolong the life of the batteries and ensure availability of the AirDrive when needed, charge the AirDrive at the end of every workday. The system may be left on charge indefinitely without incurring damage to the battery.

AIR FILTER

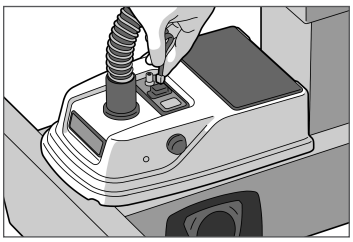
The air filter should be inspected regularly and replaced as needed, but at least once per year, by following the procedure described below. Replacement air filters may be purchased from CQ Medical.



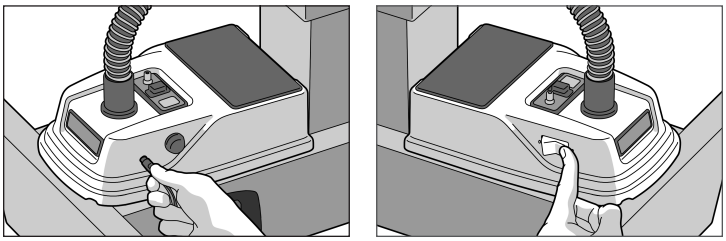
ACCESSORY PORTS

RT-5100-42, AirDrive Pendant Switch

The button on the AirDrive Pendant Switch may be used to activate the AirDrive's air source instead of, or in combination with, the button on the AirDrive Handle.

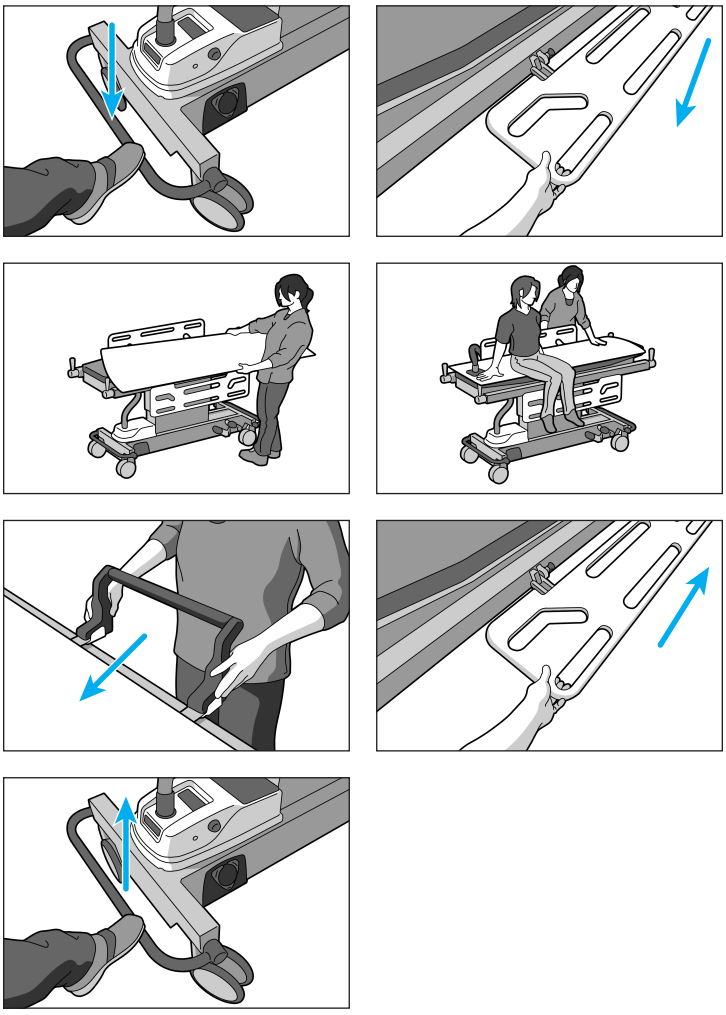


PREPARING THE MR STRETCHER WITH AIRDRIVE FOR USE



LOADING & POSITIONING THE PATIENT

Refer to Product Guide and User Manual for the selected AirShuttle for additional details.

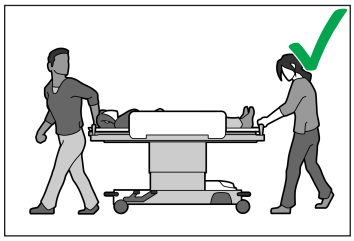


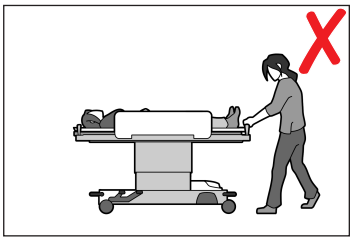
TRANSPORTING THE PATIENT

To transport the patient while positioned on an AirShuttle device, the patient and the AirShuttle device should be located securely on a suitable stretcher, gurney, or other wheeled patient support with a sufficient maximum load capacity.

! NOTE ! The AirDrive transfer hose should not be attached to the transfer device when transporting the patient on a stretcher or other wheeled, patient support.

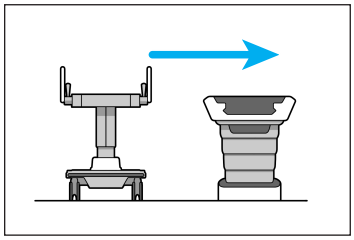
! WARNING ! Do not take stand-alone battery charger into MRI room. Charging MUST not be performed inside the MRI room

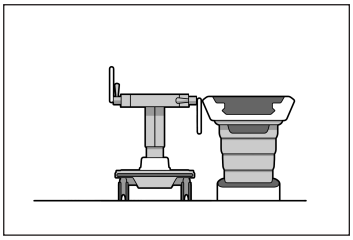


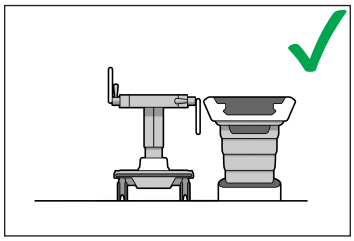


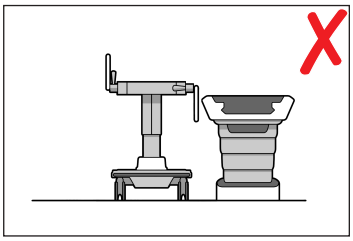
SETTING UP PATIENT TRANSFER WITH MR STRETCHER WITH AIRDRIVE

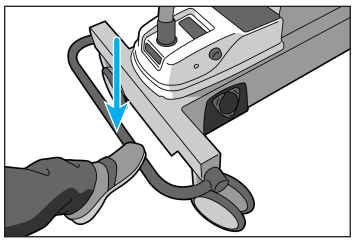
Refer to Product Guide and User Manual for the selected AirShuttle for more details on the use of AirShuttle Locating Bars, if applicable.







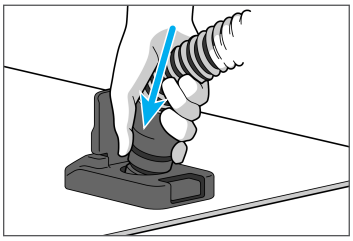


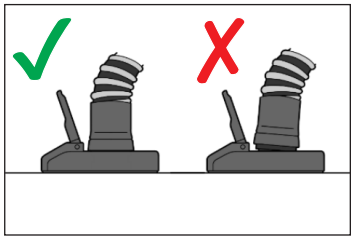


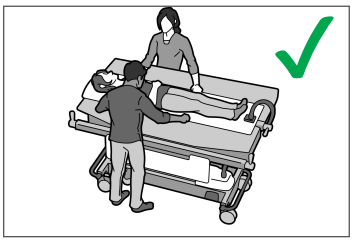
PERFORMING PATIENT TRANSFER

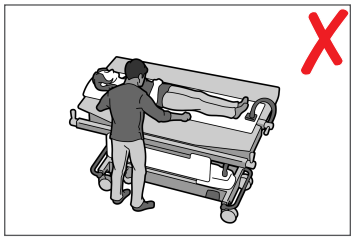
! WARNING ! Trapping zones exist. Check that clinicians' and patient's appendages are not in the way of horizontal trapping zone.

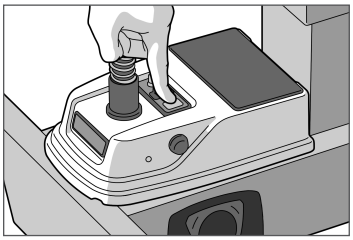
! WARNING ! Avoid pulling the hose taut during transfer due to risk of topping the AirDrive.

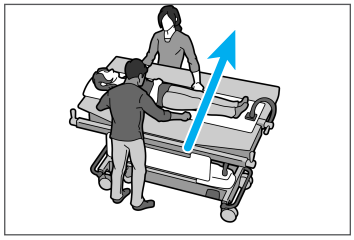


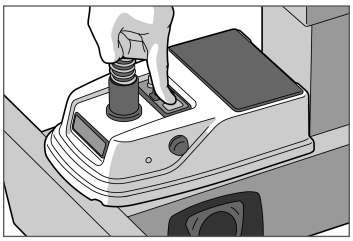


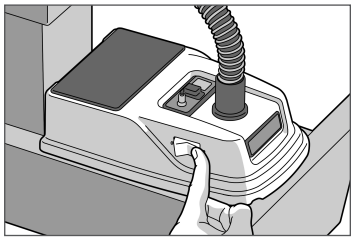


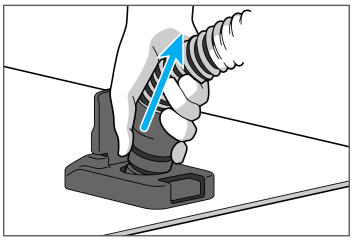


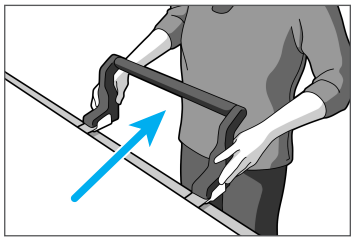








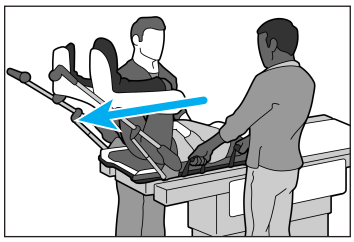


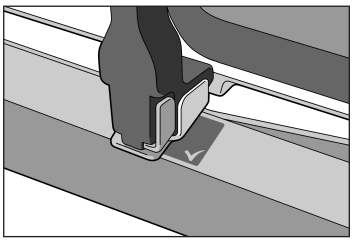


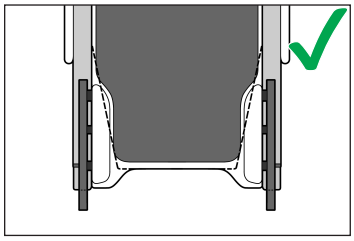
! NOTE ! Position the AirDrive nearby, ensuring that the air source button will remain within reach of at least one of the operators during the transfer process.

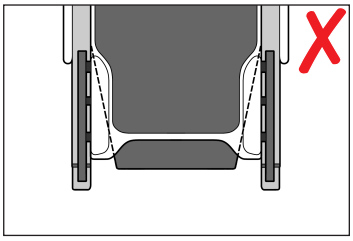
INSERTION ON MR STRETCHER WITH AIRDRIVE

! WARNING ! For patients in excess of 159 kg (350 lbs), patients must be positioned in transport location on trolley prior to adjusting height of trolley.









MAINTENANCE

AIR FILTER REPLACEMENT

The air filter should be replaced as needed, but at least annually. For instructions, refer to Air Filter.

FUSE REPLACEMENT

For fuse replacement, contact a CQ Medical service represenative.

CLEANING THE SYSTEM

The AirDrive and accessories can be cleaned with a mild, non-abrasive cleaning solution. To clean the unit, apply solution to a clean cloth and wipe external surfaces. Visually inspect the device and, if it is not clean, repeat the previous cleaning steps until visually clean. Use a clean cloth moistened with water to wipe the device to remove any cleaning agent residue. To dry, wipe the device with a clean, dry cloth.

The following cleaning materials have been tested and found to be appropriate for cleaning the AirDrive

- Water
- 10% Clorox® Bleach Solution
- Soap and Water

! WARNING ! Fluids that enter the AirDrive or its accessories may cause device malfunction. DO NOT spray directly onto the AirDrive or the airshuttle or allow liquids to flow into the enclosure of the AirDrive.

Refer to the MR 5502 Operators Manual for Cleaning and Disinfecting Instructions.

TROUBLESHOOTING

AirDrive EZ not turning on	If both the air source status light and the battery status lights are not illuminated: • Ensure the Main Power Switch is in the “ON” position. • Plug in the charger to charge the MR Stretcher with AirDrive. • Check and replace the fuses. (Refer to previous section, Maintenance.)
Air Bearing Does not inflate	Check the hose connection at the AirShuttle.
	Check the transfer hose connection at the AirDrive..
	Inspect the air filter and replace if necessary.
	Check that hose fittings are secure on the hose. The fittings screw tight in the counter-clockwise direction.
	Inspect the hose and the air bearing for damage.

If the issue cannot be resolved, contact CQ Medical service representative.

PARTS LIST

REF	DEVICE
RT-5100-42	AirDrive Pendant Switch
RT-5100-43	AirDrive Pneumatic Foot Switch
8003294	Air Filter
RT-5100-26	AirShuttle Hose Kit – 1.5m
RT-5100-26-B	AirShuttle Hose Kit - 3m
3001961	Fuse F1 (30A ATOF, 32VDC, 1000A @ 32VDC) Fast Acting
3002260	Fuse F2 (7.5A MINI, 32VDC, 1000A @ 32VDC) Fast Acting Charger Fuse - By Others
3002817	LiFePO4 Battery Charger 3.5A

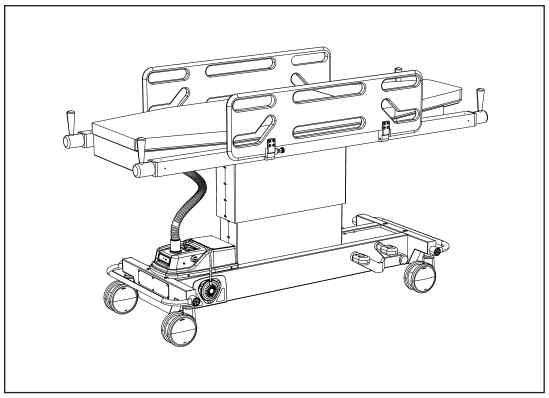
Use only CQ Medical provided replacement parts.

! NOTE ! Parts not listed, including internal components, should be serviced only by CQ Medical-authorized service personnel.

REFERENCES

REF	DEVICE	PRODUCT GUIDE & USER MANUAL
RT-5100	AirDrive Trolley	143-336
RT-5100-S	AirDrive Caddie	2008502
RT-5100-01	Slate AirShuttle	2007235
RT-5100-04	BoS AirShuttle	2007614
RT-5100-05	Lithotomy AirShuttle	2007804
RT-5100-07	Alta AirShuttle	2008315
XT-5100-60	Iris AirShuttle	2008998
XT-5100-80	Lumen AirShuttle	143-338

SPECIFICATIONS



DIMENSIONS AND WEIGHT

Length (L): 201 cm [79 in]
Width (W): 79 cm [31 in]
Height (H): 69 cm [27 in] – 100 cm [39 in]
Mass: 132.5 kg [292 lb]

DUTY CYCLE

Air Source: 5 mins ON / 5 mins OFF

POWER REQUIREMENTS

AirDrive EZ Input:
29.2v DC Max
3.5 A Max

Charger Input:
110-120 AC / 220-240v AC
50-60Hz Max
2.1 A Max

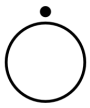
ETL CLASSIFIED
Intertek
5018847

Conforms To
AAMI STD ES60601-1
IEC STD 60601-1-6
Certified To CSA STD
C22.2 # 60601-1

SYMBOLS GLOSSARY

SYMBOL	SYMBOL TITLE	DESCRIPTION	STANDARD TITLE & DESIGNATION NUMBER	REFERENCE NUMBER
	Date of Manufacture	Indicates the date when the medical device was manufactured.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.1.3
	Manufacturer	Indicates the medical device manufacturer, as defined in EU Directives 90/385/EEC, 93/42/EEC and 98/79/EC.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.1.1
	Conformité Européene (European Conformity)	CE Marking on a product is a manufacturer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation.	Directive 93/68/EEC.	N/A
	Reorder Number	Indicates the manufacturer's catalogue number so that the medical device can be identified.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.1.6
	Serial Number	Indicates the manufacturer's serial number so that a specific medical device can be identified.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.1.7
	Batch Code	Indicates the manufacturer's batch code so that the batch or lot can be identified.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.1.5
	Refer to instruction manual/booklet	To signify that the instruction manual/booklet must be read.	ISO 7010—Graphical Symbols—Safety Colors and Safety Signs—Registered Safety Signs	ISO 7010-M002
	Consult Instructions for Use	Indicates the need for the user to consult the Instructions for Use.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.4.3
	General mandatory action sign	To signify a mandatory action	ISO 7010—Graphical Symbols—Safety Colors and Safety Signs—Registered Safety Signs	ISO 7010-M001

SYMBOL	SYMBOL TITLE	DESCRIPTION	STANDARD TITLE & DESIGNATION NUMBER	REFERENCE NUMBER
	MR Safe	An item that poses no known hazards resulting from exposure to any MR environment. MR Safe items are composed of materials that are electrically non-conductive, nonmetallic and nonmagnetic.	ASTM F2503 – 13 Standard Practice for Marking Medical Devices and Other Items for Safety in the Magnetic Resonance Environment	7.3.1
	MR Conditional	An item with demonstrated safety in the MR environment within defined conditions.	ASTM F2503 – 13 Standard Practice for Marking Medical Devices and Other Items for Safety in the Magnetic Resonance Environment	7.3.2
	MR Unsafe	An item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.	ASTM F2503 – 13 Standard Practice for Marking Medical Devices and Other Items for Safety in the Magnetic Resonance Environment	7.3.3
	Caution	Indicates the need for the user to consult the instructions for use for important cautionary information such as warnings and precautions that cannot, for a variety of reasons, be presented on the medical device itself.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.4.4
	General warning sign	To signify a general warning	ISO 7010—Graphical Symbols—Safety Colors and Safety Signs—Registered Safety Signs	ISO 7010-W001
	Warning; Electricity	To warn of electricity	ISO 7010—Graphical Symbols—Safety Colors and Safety Signs—Registered Safety Signs	ISO 7010-W012
	Do Not Reuse	Indicates a medical device that is intended for one use or for use on a single patient during a single procedure.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.4.2
	Protective Insulation: Devices of Protection Class II	To identify equipment meeting the safety requirements specified for Class II equipment.	ISO 7010—Graphical Symbols—Safety Colors and Safety Signs—Registered Safety Signs	IEC 60417-5172
	Waste Electrical and Electronic Equipment Directive (WEEE)	Waste products should not be disposed of with household waste. e.g. at a local authority collection point.	Waste Electrical and Electronic Equipment Directive (WEEE)	RoHS Directive 2002/96/EC
	Type BF Applied Part	On medical equipment. To identify a type BF applied part complying with IEC 60601-1.	IEC 60417 — Graphical Symbols for Use on Equipment	IEC 60417-5333
	Type B Applied Part	On medical equipment. To identify a type B applied part complying with IEC 60601-1.	IEC 60417 — Graphical Symbols for Use on Equipment	IEC 60417-5840

SYMBOL	SYMBOL TITLE	DESCRIPTION	STANDARD TITLE & DESIGNATION NUMBER	REFERENCE NUMBER
	Keep Dry	Indicates a medical device that needs to be protected from moisture.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.3.4
	Fragile, handle with care	Indicates a medical device that can be broken or damaged if not handled carefully.	ISO & ANSI/AAMI/ISO 15223-1 Medical devices—Symbols to be used with medical device labels—General requirements.	5.3.1
	This Way Up	To indicate correct upright position of the transport package.	ISO 7000 — Graphical symbols for use on equipment — Registered symbols	ISO 7000-6023
	Temperature Limit	To indicate the maximum and minimum temperature limits at which the item shall be stored, transported or used.	ISO 7000 — Graphical symbols for use on equipment — Registered symbols	ISO 7000-6032
	Importer	To indicate the entity importing the medical device into the locale.	ISO 7000 — Graphical symbols for use on equipment — Registered symbols	ISO 7000-3725
	Medical Device	Indicates the product is a medical device.v	N/A	N/A
	Keep Away From Sunlight	To indicate that transport package shall not be exposed to sunlight	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-0624
	Direct Current	To indicate on the rating plate that the equipment is suitable for direct current only; to identify relevant terminals.	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-5031
	“ON” for a part of equipment	To indicate the “ON” condition for a part of equipment, if the symbol 5007 cannot be used, for example, to identify the “ON” position of a switch.	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-5264
	“OFF” for a part of equipment	To indicate the “OFF” condition for a part of equipment, if the symbol 5007 cannot be used, for example, to identify the “OFF” position of a switch.	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-5265
	Atmospheric Pressure Limitation	To indicate the acceptable upper and lower limits of atmospheric pressure for transport and storage.	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-2621
	Humidity limitation	To indicate the acceptable upper and lower limits of relative humidity for transport and storage.	ISO 7000 – Graphical symbol for use on equipment – Registered symbols	ISO 7000-2620

ELECTROMAGNETIC EMISSIONS		
The EUT is intended for use in the electromagnetic environment specified below. The customer or the user of the EUT should assure that it is used in such an environment.		
Emissions Test	**Compliance**	**Electromagnetic Environment - Guidance**
RF Emissions CISPR 11	Group 1	The EUT uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The EUT is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations/Flicker Emissions IEC 61000-3-3	Complies	

ADDENEDUM, GUIDANCE AND MANUFACTUER'S DECLARATION

IMMUNITY			
The EUT is intended for use in the electromagnetic environment specified below. The customer or user of the EUT should ensure that it is used in such an environment.			
Immunity Test	**IEC 60601 Test Level**	**Compliance Level**	**Electromagnetic Environment Guidance**
ESD IEC 61000-4-2	±8kV Contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	±8kV Contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%
Electrical Fast Transient/Burst IEC 61000-4-4	±2 kV 100 kHz repetition frequency	±2 kV 100 kHz repetition frequency	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycle	0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycle	Mains power quality should be that of a typical commercial or hospital environment. If the user of the EUT requires continued operation during power mains interruptions, it is recommended that the EUT be powered by an uninterruptible power supply or battery.
Power frequency (50/60 Hz) Magnetic field IEC 61000-4-8	30A/M 50/60 Hz	30A/M 50/60 Hz	Power frequency magnetic fields should be that of a typical commercial or hospital environment.
Proximity magnetic fields IEC 61000-4-39	65 A/m at 134.2 kHz, 2.1 kHz Pulse Modulation 7.5 A/m at 13.56 MHz, 50 kHz Pulse Modulation	65 A/m at 134.2 kHz, 2.1 kHz Pulse Modulation 7.5 A/m at 13.56 MHz, 50 kHz Pulse Modulation	Proximity magnetic fields should be that of a typical commercial or hospital environment.

RF IMMUNITY			
The EUT is intended for use in the electromagnetic environment specified below. The customer or user of the EUT should ensure that it is used in such an environment.			
Immunity Test	**IEC 60601 Test Level**	**Compliance Level**	**Electromagnetic Environment Guidance**
Conducted RF IEC 61000-4-6	3 Vrms 6Vrms (In ISM Bands) 150 kHz to 80 MHz	3 Vrms 6Vrms (In ISM Bands) 150 kHz to 80 MHz	Portable and mobile RF communications equipment should be used no closer to any part of the EUT including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1,2\sqrt{P}$ $d = 1,2\sqrt{P}$ $d = 2,3\sqrt{P}$ where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range b. Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	80MHz to 2.7GHz	3 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	Portable and mobile RF communications equipment should be used no closer to any part of the EUT including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1,2\sqrt{P}$ $d = 1,2\sqrt{P}$ $d = 2,3\sqrt{P}$ where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range b. Interference may occur in the vicinity of equipment marked with the following symbol: 
Immunity to proximity fields from RF wireless communications equipment	385 MHz: 27 V/m @ 18 Hz Pulse modulation 450 MHz: 28 V/m @ FM modulation 710 MHz, 745 MHz, 780 MHz: 9 V/m @ 217 Hz Pulse modulation 810 MHz, 870 MHz, 930 MHz: 28 V/m @ 18 Hz Pulse modulation 1720 MHz, 1845 MHz, 1970 MHz: 28 V/m @ 217 Hz Pulse Modulation 2450 MHz: 28 V/m @ 217 Hz Pulse modulation 5240 MHz, 5500 MHz, 5785 MHz: 9 V/m @ 217 Hz Pulse modulation	385 MHz: 27 V/m @ 18 Hz Pulse modulation 450 MHz: 20 V/m @ FM modulation 710 MHz, 745 MHz, 780 MHz: 9 V/m @ 217 Hz Pulse modulation 810 MHz, 870 MHz, 930 MHz:28 V/m @ 18 Hz Pulse modulation 1720 MHz, 1845 MHz, 1970 MHz: 28 V/m @ 217 Hz Pulse Modulation 2450 MHz: 28 V/m @ 217 Hz Pulse modulation 5240 MHz, 5500 MHz, 5785 MHz: 9 V/m @ 217 Hz Pulse modulation	Portable and mobile RF communications equipment should be used no closer to any part of the EUT including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1,2\sqrt{P}$ $d = 1,2\sqrt{P}$ $d = 2,3\sqrt{P}$ where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter as determined by an electromagnetic site survey, should be less than the compliance level in each frequency rangeb. Interference may occur in the vicinity of equipment marked with the following symbol: