

Remote control

**RCX Expert 2.0**  
**RCX Expert 2.0 Rob**

099-008808-EW501

Observe additional system documents!

13.01.2016

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# General instructions

## CAUTION



### **Read the operating instructions!**

**The operating instructions provide an introduction to the safe use of the products.**

- Read the operating instructions for all system components!
- Observe accident prevention regulations!
- Observe all local regulations!
- Confirm with a signature where appropriate.



***In the event of queries on installation, commissioning, operation or special conditions at the installation site, or on usage, please contact your sales partner or our customer service department on +49 2680 181-0.***

***A list of authorised sales partners can be found at [www.ewm-group.com](http://www.ewm-group.com).***

Liability relating to the operation of this equipment is restricted solely to the function of the equipment. No other form of liability, regardless of type, shall be accepted. This exclusion of liability shall be deemed accepted by the user on commissioning the equipment.

The manufacturer is unable to monitor whether or not these instructions or the conditions and methods are observed during installation, operation, usage and maintenance of the equipment. An incorrectly performed installation can result in material damage and injure persons as a result. For this reason, we do not accept any responsibility or liability for losses, damages or costs arising from incorrect installation, improper operation or incorrect usage and maintenance or any actions connected to this in any way.

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The content of this document has been prepared and reviewed with all reasonable care. The information provided is subject to change, errors excepted.

## 1 Contents

<b>1</b>	<b>Contents .....</b>	<b>3</b>
<b>2</b>	<b>Notes on the use of these operating instructions .....</b>	<b>4</b>
2.1	Explanation of icons .....	5
<b>3</b>	<b>Intended use .....</b>	<b>6</b>
3.1	Documents which also apply .....	6
3.1.1	Warranty .....	6
3.1.2	Declaration of Conformity .....	6
3.1.3	Service documents (spare parts) .....	6
<b>4</b>	<b>Machine description – quick overview .....</b>	<b>7</b>
4.1	Front and rear views .....	7
<b>5</b>	<b>Design and function .....</b>	<b>8</b>
5.1	Establishing the connections .....	8
<b>6</b>	<b>Maintenance, care and disposal .....</b>	<b>9</b>
6.1	General .....	9
6.2	Maintenance work, intervals .....	9
6.2.1	Monthly maintenance tasks .....	9
6.3	Disposing of equipment .....	10
6.3.1	Manufacturer's declaration to the end user .....	10
6.4	Meeting the requirements of RoHS .....	10
<b>7</b>	<b>Technical data .....</b>	<b>11</b>
7.1	RCX .....	11
<b>8</b>	<b>Appendix A .....</b>	<b>12</b>
8.1	Overview of EWM branches .....	12

2 Notes on the use of these operating instructions

WARNING



**Validity of the document!**  
This document is part of the complete documentation and valid only in combination with the "Power source" operating instructions for the product being used!

- Read and observe the operating instructions for all system components, especially the safety instructions!

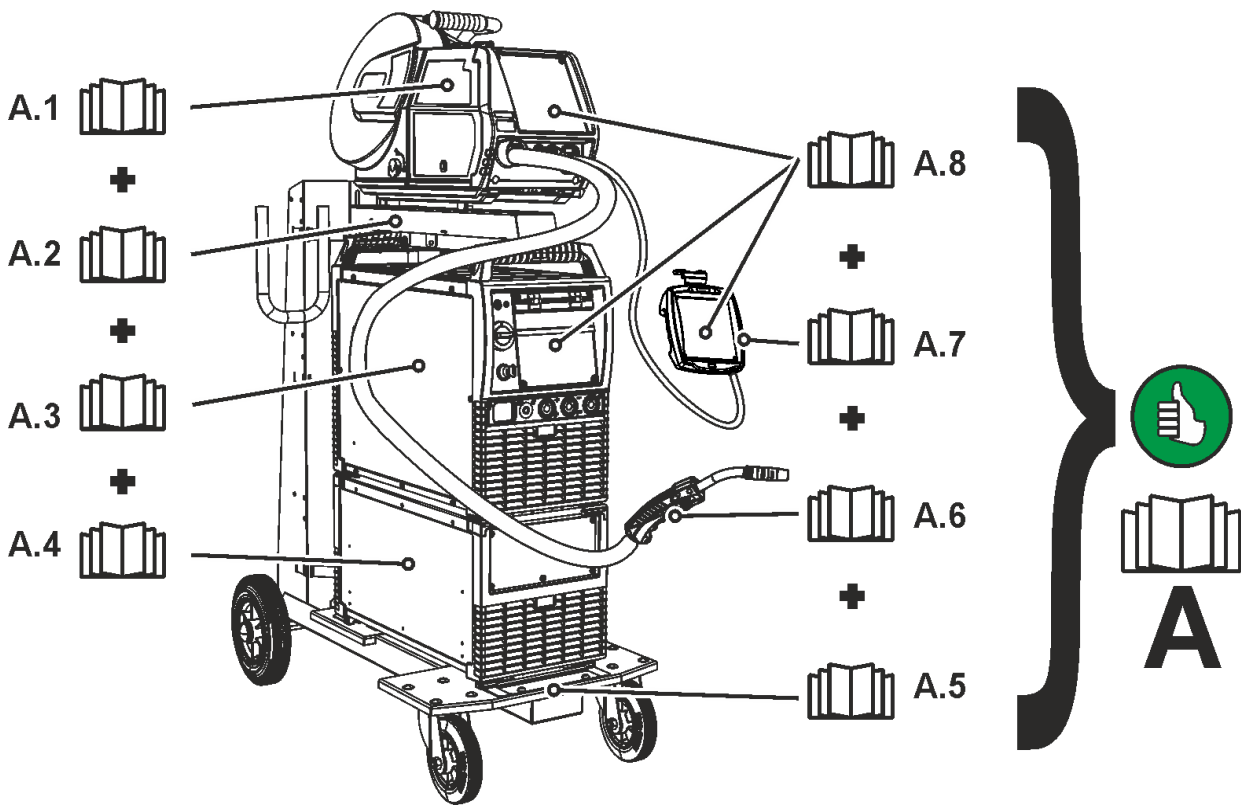





















Figure 2-1

The illustration shows a general example of a welding system.

Item	Documentation
A.1	Wire feeder
A.2	Conversion instructions xxx
A.3	Power source
A.4	Cooling unit, voltage converter, tool box etc.
A.5	Trolley
A.6	Welding torch
A.7	Remote control
A.8	Control
A	Complete documentation

## 2.1 Explanation of icons

Symbol	Description	Symbol	Description
	Indicates technical aspects which the user must observe.		Activate and release/tap/tip
	Switch off machine		Release/do not activate
	Switch on machine		Press and hold/switch
	Wrong		Turn
	Correct		Signal light off
	Menu entry		Signal light on (e.g. green), colour code: g=green, r=red, y=yellow
	Navigating the menu		Signal light flashing (e.g. green), colour code: g=green, r=red, y=yellow
	Exit menu		Time representation (e.g.: wait 4 s/activate)
	Tool not required/do not use		Interruption in the menu display (other setting options possible)
	Tool required/use		

## 3 Intended use

### **WARNING**



#### **Hazards due to improper usage!**

**Hazards may arise for persons, animals and material objects if the equipment is not used correctly. No liability is accepted for any damages arising from improper usage!**

- The equipment must only be used in line with proper usage and by trained or expert staff!
- Do not modify or convert the equipment improperly!

Remote control for welding machine and accessory functions.

### 3.1 Documents which also apply

#### 3.1.1 Warranty



*For more information refer to the "Warranty registration" brochure supplied and our information regarding warranty, maintenance and testing at [www.ewm-group.com](http://www.ewm-group.com)!*

#### 3.1.2 Declaration of Conformity



**The designated machine conforms to EC Directives and standards in terms of its design and construction:**

- EC Low Voltage Directive (2006/95/EC),
- EC EMC Directive (2004/108/EC),

This declaration shall become null and void in the event of unauthorised modifications, improperly conducted repairs, non-observance of the deadlines for the repetition test and / or non-permitted conversion work not specifically authorised by the manufacturer.

The original copy of the declaration of conformity is enclosed with the unit.

#### 3.1.3 Service documents (spare parts)

### **DANGER**



**Do not carry out any unauthorised repairs or modifications!**

**To avoid injury and equipment damage, the unit must only be repaired or modified by specialist, skilled persons!**

**The warranty becomes null and void in the event of unauthorised interference.**

- Appoint only skilled persons for repair work (trained service personnel)!

Spare parts can be obtained from the relevant authorised dealer.

## 4 Machine description – quick overview

### 4.1 Front and rear views

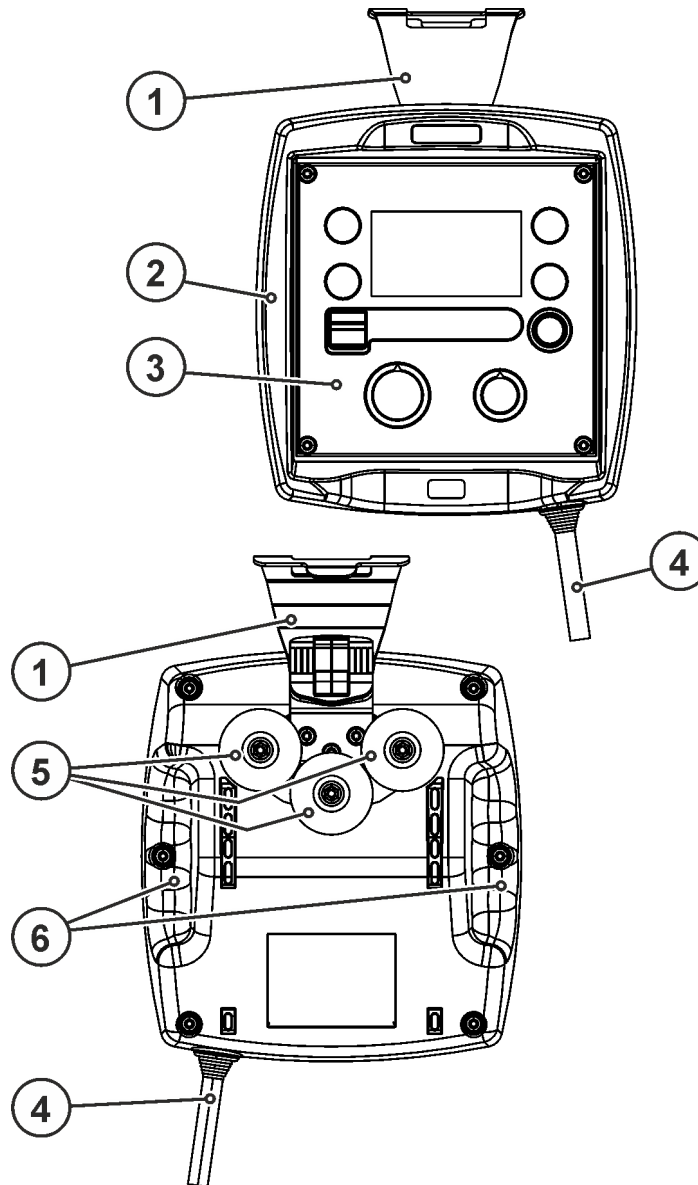



Figure 4-1

Item	Symbol	Description
1		Holder for suspending the remote control
2		Operating panel
3		Machine control, see the relevant control operating instructions
4		Connection cable between operating panel and power source
5		Fixing magnet To mount remote control on magnetisable surfaces
6		Recessed grip

## 5 Design and function

### 5.1 Establishing the connections

#### CAUTION



**Damage to the machine due to improper connection!**

The remote controls have been developed to be connected to welding machines or wire feed units only. Connecting them to other machines may cause damage to the machines!

- Observe the operating instructions for the welding machine or wire feed unit!
- Switch off the welding machine before connecting!



**Observe documentation of other system components when connecting!**

- Switch off the welding machine.
- Insert the male connector plug (socket) into the remote control connection socket and lock by turning to the right.
- Insert the male connector plug (pin) into the remote control connection socket of the welding machine and lock by turning to the right.



## 6 Maintenance, care and disposal



### **DANGER**



#### **Improper maintenance and testing**

**The equipment may only be cleaned, repaired or tested by specialist, skilled persons! A skilled person is one who, due to training, knowledge and experience, is able to recognise the dangers that can occur during testing of this equipment as well as possible subsequent damage and who is able to implement the required safety procedures.**

- Complete all tests given in the chapter below!
- Only put the equipment back into operation following a successful test.

Repair and maintenance work may only be performed by qualified authorised personnel; otherwise the right to claim under warranty is void. In all service matters, always consult the dealer who supplied the machine. Return deliveries of defective equipment subject to warranty may only be made through your dealer. When replacing parts, use only original spare parts. When ordering spare parts, please quote the machine type, serial number and item number of the machine, as well as the type designation and item number of the spare part.

### **6.1 General**

When used in the specified environmental conditions and under normal operating conditions, this machine is largely maintenance-free and requires a minimum of care.

There are some points, which should be observed, to guarantee fault-free operation of your welding machine. Among these are regular cleaning and checking as described below, depending on the pollution level of the environment and the length of time the unit is in use.

### **6.2 Maintenance work, intervals**

#### **6.2.1 Monthly maintenance tasks**

- Check control leads and their strain relief for damage.
- Carry out functional test of operating, signalling, safety and/or adjustment devices.
- Other, general condition

## 6.3 Disposing of equipment



### **Proper disposal!**

**The machine contains valuable raw materials, which should be recycled, and electronic components, which must be disposed of.**

- **Do not dispose of in household waste!**
- **Observe the local regulations regarding disposal!**



### 6.3.1 Manufacturer's declaration to the end user

- According to European provisions (guideline 2002/96/EG of the European Parliament and the Council of January, 27th 2003), used electric and electronic equipment may no longer be placed in unsorted municipal waste. It must be collected separately. The symbol depicting a waste container on wheels indicates that the equipment must be collected separately.  
This machine is to be placed for disposal or recycling in the waste separation systems provided for this purpose.
- According to German law (law governing the distribution, taking back and environmentally correct disposal of electric and electronic equipment (ElektroG) from 16.03.2005), used machines are to be placed in a collection system separate from unsorted municipal waste. The public waste management utilities (communities) have created collection points at which used equipment from private households can be disposed of free of charge.
- Information about giving back used equipment or about collections can be obtained from the respective municipal administration office.
- EWM participates in an approved waste disposal and recycling system and is registered in the Used Electrical Equipment Register (EAR) under number WEEE DE 57686922.
- In addition to this, returns are also possible throughout Europe via EWM sales partners.

## 6.4 Meeting the requirements of RoHS

We, EWM AG Mündersbach, hereby confirm that all products supplied by us which are affected by the RoHS Directive, meet the requirements of the RoHS (Directive 2011/65/EU).

## 7 Technical data



*Performance specifications and guarantee only in connection with original spare and replacement parts!*

### 7.1 RCX

Protection classification	IP 23
Ambient temperature	-25 °C to +40 °C
Dimensions L x W x D in mm	310 x 230 x 110
Weight	2.0 kg
EMC class	A
Constructed to standard	IEC 60974-1, -10 CE

## 8 Appendix A

### 8.1 Overview of EWM branches

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Plants



Branches



Liaison office

● More than 400 EWM sales partners worldwide