CONTROLMASTER™

SMART AUTOMATION & CONTROL TECHNOLOGY **BY RCT**

PROVIDE A SAFER WORKING ENVIRONMENT FOR BOTH MACHINE AND OPERATOR....

REMOTE

LINE-OF-SIGHT

YOUR REMOTE OFFER

The ControlMaster™ range is fully scalable, permitting upgrades from Line-of-Sight through to a fully autonomous fleet solution. RCT's remote range is available for all mobile fleet equipment, regardless of make or model and is designed to increase profitability, productivity, and safety.

WHY REMOTE CONTROL?

Entry-level option for companies considering to transition to automation. It allows operators to remotely control machines while providing a safer working environment.

- **Allows operators to remotely control machines while providing a safer working environment**

- **Reduces operator fatigue**

- **Improves operator safety in high risk working conditions**

- **Prevents repetitive stress injuries**

REMOTE CONTROL OPTIONS

Ideal for bigger applications, the lightweight and easy-to-use Pendant Remotes are built to withstand the harshest conditions.

ControlMaster™ Radio Remote Control devices are ideal for the more complex mobile machinery and applications.

Compatible with ANY make and model of mobile equipment, these devices allow for continuous operation resulting in increased productivity while ensuring operator safety

CM1000
Handheld series

Minimalistic design

Suitable for fixed plant machinery.

6 and 12 functions

Adjustable Outputs.

MTX1000
Micro Pendant

Smallest and lightest

Ideal for Light Line-of-Sight applications,

suitable for all mining and industrial applications .

ATX1000
Heavy Duty

Built for Line-of-Sight operation

used on all mobile mining and industrial machines .

ATX2200
Heavy Duty & Teleremote capable

RCT's most powerful remote control unit.

Teleremote and Guidance ready.

Used on all mining machines .

Handheld Series

CM1000 Transmitter
with MRX1000 Receiver

Minimalistic yet sturdy, lightweight and easy-to-use across all industrial applications to perform simple tasks in a safe and productive manner.

RCT's CM1000 series remotes increase the safety and productivity of mobile and fixed plant machinery.

Available in 6 and 12 functions as well as 6 functions with 2 proportional paddles, the CM1000 range can tackle numerous tasks. Outputs can be increased if additional control is required.

Features

- Transmitter functions up to 12
- LCD display feed back during operation
- Long life battery operation
- IP65 rated
- Configurable
- 200 metre operating range
- Standard receiver with 6 inputs
- Expansion modules up to 16 functions
- Factory set for 1-to-1 operation
- Suitable for permanent installation
- Proportional & digital control
- Off-the-shelf solutions
- One to many operations
- Customized software apps
- Customized labelling
- Multiple apps to suit all situations

Micro Pendant

MTX1000 Transmitter
with MRX1000 Receiver

Our smallest and lightest remote control option. Uses the same proven operating system as the ControlMaster™ ATX's and packages – weighing in at less than 2kg (4.4lbs)!

The MTX is ideal for short-term Line-of-Sight applications, and is suitable for all mining and industrial applications globally for both surface and underground machines.

Features
- Light weight
- Fast recharge
- Full proportional joysticks
- Clear graphical colour display
- Adaptable across all machine types
- IP67

Specifications
Weight with battery: 1.25kg

Charge time: 3 hours

Display colour: 180^0 viewing angle

Operating temp: -15^0C to $+65^0$C

Dimensions:H 68mm x L 77mm x W 20mm

Operation: 16 Hours continuous

Heavy Duty

ATX1000 Transmitter
with **MRX**1000 Receiver

Built for Line-of-Sight operation only, the ATX1000 can be supplied into all mining regions globally, and used on all mobile mining and industrial machines – regardless of type, brand, and age.

The ATX1000 has all the same rugged design features as the ATX2200 .

Features

- Heavy duty ergonomic protective side rails for operator comfort and added protection to console
- Protected internal antenna
- Detailed colour graphical display using internationally recognized symbols
- 16 hour continuous operation Lithium Ion battery
- Heavy duty impact, dust and weather sealed casing
- Low maintenance
- Practical and straightforward operation

Specifications

Heavy duty ergonomic protective side rails for operator comfort and added protection to console

Protected internal antenna

Detailed colour graphical display using internationally recognized symbols

16 hour continuous operation Lithium Ion battery

Heavy duty impact, dust and weather sealed casing

Low maintenance

Practical and straightforward operation

Heavy Duty & Teleremote ready

ATX2200 Transmitter
with **ARX**2200 Receiver

RCT's most powerful remote control unit. The ATX2200 can be used in Line-of-Sight, Teleremote and Guidance applications. It can be used on all mining machines – regardless of type, brand, and age and supplied to all mining regions globally .

Features

- Heavy duty ergonomic barrier rails for operator comfort and added protection to console
- Protected Internal Antenna
- Detailed colour graphical display using internationally recognized symbols
- Smaller and more compact
- Light weight
- International frequency complaint
- 16 hour continuous operation Lithium Ion battery
- Operating voltage 12 to 16 volts
- Water proof rating IP65
- Heavy duty impact and dust sealed casing

Specifications

Dimensions: L385 x W200 x H215mm

Weight: 3.7Kg

IP rating: 65

Frequency: International compliant

Battery type: Lithium Ion

Operating temperature: -35^0 to +65°C

Antenna: Internal

Internal display: Colour graphical with 180^0 viewing angle

Operating voltage: 12 to 16 volts

TELEREMOTE

WHY TELEREMOTE?

- Improved operator conditions and safety
- Greater productivity gains for long-term remote operations because mining is continuous
- The operator works from a safe location protected from the outside elements
- Modular - Teleremote equipment is added to existing remote control machines

Ensure operators can work effectively from a well-equipped Teleremote Control Centre.

- Climate control
- Air filtration management
- Diesel powered generator
- Auxiliary power management systems
- Ergonomically designed operator console & chair
- Vision monitors and vision management system
- Window treatments
- IP, fibre optic and mesh communication
- Network ready
- PPE storage
- Fridge
- Sound system

Site specific requirements. i.e., decals, lighting and fire extinguisher

TELEREMOTE CONTROL OPTIONS

Removes the operator from the hazardous area and relocates them to a secure and protected location where they can control the machine via remote with the help of multiple cameras and sensors.

RCT understands that every site is different; therefore we have multiple options for relocating operators to a safe location to ensure we can meet site's specific needs.

A vision package is fitted to the remote machine that allows the operator to effectively and efficiently control the machine via monitors from one of RCT's many Operator Station solutions, supported on a communication network.
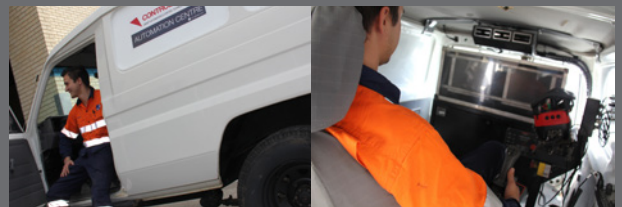

CONTROL CENTRE	**OFFICE** FITOUT	**MOBILE** CENTRE

SUPPORT

SUPPORTING CLIENTS IN OVER 68 COUNTRIES

RCT is a full service company, offering clients the complete package with all its proprietary products. Including: skills training, parts, technical and customer service support.

- OEM maintenance agreement
- Auditing and installation
- Operational servicing
- Preventive maintenance
- Customized servicing schedule
- Servicing documentation
- Operator and maintenance training
- Service exchange equipment

TRAINING COURSES

Get the most from your investment with RCT's comprehensive range of training courses to suit the solution and requirements.

- Trained personnel can better use, maintain and service remote and Teleremote equipment
- Knowledgeable personnel can minimize equipment downtime by diagnosing and fixing a problem more efficiently
- Allows mine sites to be more self-sufficient

CONTROLMASTER™
SMART AUTOMATION & CONTROL TECHNOLOGY **BY RCT**

Discover more: rct-global.com

sales@rct-global.com

AUSTRALIA:	+61 8 9353 6577
AFRICA:	+27 83 292 4246
CANADA:	+1 705 590 4001
RUSSIA / CIS:	+7 910 411 1174
SOUTH AMERICA:	+56 3 5229 9409
USA:	+1 801 938 9214

TecWise®
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Discover more: tecwise.com.br

tecwise@tecwise.com.br