



# MILITEC LTD

## SMALL ARMS TARGET EQUIPMENT

Militec Ltd, Unit 15-16 Cwm Cynon Business Park, Mountain Ash, RCT, CF45 4ER  
TEL: +44 (0) 1443 476849 EMAIL: [Sales@militec.co.uk](mailto:Sales@militec.co.uk)

**MILITEC LTD – CAPABILITY**

- Founded in early 1997 with a highly skilled workforce experienced in the production of shooting range target equipment.
- Specialises in design and manufacture of fixed and portable firing range equipment to meet the training requirements of Military, Police and Commercial Ranges worldwide.
- Target equipment may be deployed and maintained by personnel with the minimum of training.
- Highest quality manufactured in accordance with ISO9001 that can withstand the toughest environment at a competitive price.
- Full range of targets suitable for basic to advanced marksmanship, classification and close quarter battle scenario's
- Target systems may be operated from a battery pack or 110Vac/240Vac power supply.
- Located in South Wales, United Kingdom our knowledgeable staff will be pleased to discuss any matters concerning the supply of Small Arms Target equipment.

**Outdoor Ranges**



**Indoor Ranges**



## LOMAH Ranges



## Sniper Ranges



**Close Quarter Battle / MOUT Ranges**



**Mock-up Ranges**





MILITEC LTD	 M1500M Turning Target Frames	 M2100M Multifunction	 M2200MF Fast Turner	 M3200M Pop Up	 M3720M Mini Pop Up	 M3600M Pop Up / Turner	 M3450M Linear
Turner Face/Edge	✓						
Two Way Turner Face A/Edge/Face B		✓	✓			✓	
Pop Up		✓		✓	✓	✓	
Vertical/Horizontal movement							✓
Slicing		✓				✓	
Hit sensing ability		✓	✓	✓	✓	✓	✓
Portable	✓	✓	✓	✓	✓	✓	✓
Battery Powered	✓	✓	✓	✓	✓	✓	✓
Power pack	✓	✓	✓	✓	✓	✓	✓
Radio Controlled	✓	✓	✓	✓	✓	✓	✓

MILITEC LTD	 M4500M Battery Powered Mover	 M4500M F1 Battery Powered Mover	 M5150MV2 Winch Driven Targets
4 Selectable Speeds	✓	✓	✓
Radio Controlled	✓	✓	✓
Portable	✓	✓	
Carrying Capacity	25 kg	57 kg	50 kg
Battery Powered	✓	✓	
Main Powered			✓
IP Classification	IP 65	IP 65	IP 54

## MILITEC LTD

### M2100M MULTI-FUNCTION TARGET MECHANISM



The M2100M multi-function target mechanism has been designed to provide complete range versatility. Whether used for basic classification, judgement/decision shooting, to combat/reactive ranges the M2100M has the solution.

The M2100M can be portable, fixed, battery or mains powered, radio or line controlled.

The target unit itself is fitted on anti vibration rubber mountings within a steel tubular frame, which provides a stable platform irrespective of which target movement is used.

In the portable mode a detachable 12Vdc battery pack is connected to the unit by means of a 'Quick Fit' military type bayonet connector.

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER  
Tel: +44(0)1443 476849 Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M2100M 2021\_11



#### SPECIFICATIONS

WEIGHT	17 Kilos (without battery pack)
SIZE (WITHOUT BATT. PK)	500mm x 300mm x 330mm (L x W x H)
TURN TIME	0.6 sec. (edge to face)
HIT SENSING	Internally mounted and remotely adjusted
EXPOSURE SETTING	1 to 99 seconds in steps of 1 second
OPERATIONAL TEMPERATURE	-15C to 65C
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 1220x460mm Aluminium / 8mm Plywood / Rigid Plastic Max Weight 7kg Turning mode Max Weight 3kg Pop up mode Max Weight 3kg Slicing mode
CONTROL	Integral Radio Transceiver
IP PROTECTION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C

#### GENERAL FEATURES

RADIO	Control 1-256 individual targets with eight separate radio channels available. Operational range up to 1000 Metres line of sight.
HIT SENSING	Internally mounted hit sensor set remotely from the handset. Target response to hits set from the handset. Minimum sensitivity 100 Joules
OPERATION CAPABILITY	Quick fit brackets enable a variety of target movement options: - a) Vertical turning target (standard) b) Swing -out target c) Pop-up target d) Slashing or slicing target e) Double turning target A fully charged battery has sufficient capacity to turn a standard Fig. 11 target approx. 2500 times
POWER	AC375 Mains power pack 110Vac/240Vac to 12Vdc AC005 Portable battery pack 12Vdc with status indication and "Quick Fit" military bayonet type connector. Weight 4.5 kilos.
FRAME	The tubular steel frame provides extra protection, aids carrying and provides a stable location when in use.
CONSTRUCTION	The enclosures are manufactured from zinc coated sheet steel and finished in polyester powdered paint that is stoved to provide a hard and durable finish. All metal fixings used are manufactured from stainless steel.
CONTROL	C9090M, C9172M, C9200M & C9800M Handsets Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER Tel: +44(0)1443 476849 Email: <a href="mailto:sales@militec.co.uk">sales@militec.co.uk</a> <a href="http://www.militec.co.uk">www.militec.co.uk</a> Copyright © Militec 2021

M2100M 2021\_11



## MILITEC LTD

### M2200MF FAST TURNING TARGET MECHANISM



The M2200MF is a dedicated fast turning target mechanism designed for basic classification and judgement/decision shooting.

The power unit for the M2200MF can be portable or fixed, battery powered and radio controlled or mains powered with line or radio control.

The power unit itself is fitted within a tubular frame, which provides a stable platform.

In the portable mode a separate 12Vdc power pack is connected to the unit by means of a 'Quick Fit' military bayonet type connector.

In the fixed mode the 12Vdc is supplied from a separate power supply unit 220/240Vac to 12Vdc.

#### SPECIFICATIONS

WEIGHT	17 Kilos (without battery pack)
SIZE (WITHOUT BATT. PK)	400mm x 300mm x 330mm (LxWxH)
TURN TIME	0.3 sec. (edge to face)
HIT SENSING	Internally mounted and remotely adjusted
EXPOSURE SETTINGS	1 to 99 seconds in steps 1 second
OPERATIONAL TEMPERATURE	-15C to 65C
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 1220x460mm Aluminium /8mm Plywood / Rigid Plastic Max Weight 3kg
CONTROL	Integral Radio Transceiver
IP PROTECTION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER.  
Tel: - +44(0)1443 476849. Email: - [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M2200MF 2021\_01



#### GENERAL FEATURES

RADIO	Control 1-256 individual targets with eight separate radio channels available. Operational range up to 1000 Metres line of sight.
HIT SENSING	Internally mounted hit sensor set remotely from the handset. Target response to hits set from the handset Minimum sensitivity 100 Joules
OPERATION CAPABILITY	Vertical turning only. 0.30sec. from Edge to Face A fully charged battery has sufficient capacity to turn a standard Fig.11 target in excess in excess of 2500 times.
POWER	AC375 Mains power pack 110Vac/240Vac to 12Vdc AC005 Portable battery pack 12Vdc with status indication and "Quick Fit" military bayonet type connector. Weight 4.5 kilos.
FRAME	The tubular steel frame provides extra protection, aids carrying and provides a stable location when in use.
CONSTRUCTION	The enclosures are manufactured from zinc coated sheet steel and finished in polyester powdered paint that is stoved to provide a hard and durable finish. All metal fixings used are manufactured from stainless steel.
CONTROL	C9090M, C9172M, C9200M & C9800M Handsets

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER.  
Tel: - +44(0)1443 476849. Email: - [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M2200MF 2021\_05

## MILITEC LTD

### M3200M POP-UP TARGET



The M3200M Pop-up Target Mechanism is the basic element of both the portable and fixed infantry ranges. In the portable mode the unit is fitted within a tubular frame which provides a stable mounting on unprepared ground.

A separate 12Vdc power pack is connected to the unit by means of a 'Quick-Fit' military bayonet type connector. This enables the M3200M to be left deployed on the range when the battery is being recharged or exchanged.

For fixed installations a mains 110/220 Vac power unit feeds 12Vdc to the unit via the common power input socket.

#### SPECIFICATIONS

WEIGHT	25 Kilos (without battery pack)
SIZE (WITHOUT BATT. PK)	470mm x 400mm x 380mm LxWxH
RAISE / LOWER TIME	0.9 sec. for a standard target board
HIT SENSING	Externally mounted and remotely adjusted
EXPOSURE SETTINGS	1 to 99 seconds in steps 1 second
OPERATIONAL TEMPERATURE	-15C to 65C
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 1220x460mm Aluminium/8mm Plywood/Rigid Plastic Max Weight 6kg
CONTROL	Integral Radio Transceiver
PROTECTION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel: +44(0)1443 476849. Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M3200M 2021\_06



#### GENERAL FEATURES

RADIO	Control 1-256 individual targets with eight separate radio channels available. Operational range up to 1000 Metres line of sight
HIT SENSING	Externally mounted hit sensor set remotely from the handset. Target response to hits set from the handset Minimum sensitivity 100 Joules
OPERATION CAPABILITY	A fully charged battery has sufficient capacity to lift and lower a standard Fig.11 target in excess of 2000 times.
POWER	AC375 Mains power pack 110Vac/240Vac to 12Vdc AC005 Portable battery pack 12Vdc with status indication and "Quick Fit" military bayonet type connector. Weight 4.5 kilos.
FRAME	The tubular steel frame provides extra protection, aids carrying and provides a stable location when in use.
CONSTRUCTION	The enclosures are manufactured from zinc coated sheet steel and finished in polyester powdered paint that is stoved to provide a hard and durable finish. All metal fixings used are manufactured from stainless steel.
CONTROL	C9090M, C9172M, C9200M & C9800M Handsets

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel: +44(0)1443 476849. Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M3200M 2021\_06

## MILITEC LTD

### M3450M LINEAR TARGET MECHANISM



The M3450M Linear Target Mechanism has been developed to provide the shooter with a more realistic presentation of a target profile. Whether in the vertical or horizontal mode the exposure of the target profile mimics more closely an actual targets appearance in an urban environment than other types of target presentations currently available.

The mechanism has two exposure settings that allow for the target to be Half or Fully exposed, providing the end user with a greater degree of flexibility when preparing training scenarios.

The mechanism may be positioned in a vertical or horizontal mode (with an AC034 Horizontal bracket shown), providing the user with a choice of presenting a target as rising up from cover or from the side of cover.

The M3450M is compatible with Militec controllers and can be integrated with the M2100M Multi-function target mechanism. It can be fitted to a battery-powered carrier to provide a moving target scenario in a confined area.

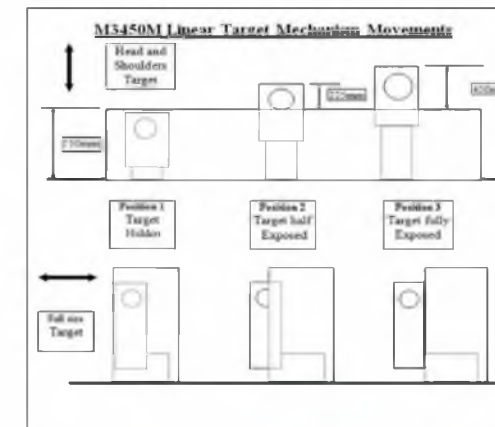
Militec Ltd. Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER  
Tel. - +44(0)1443 476849. Email: - [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M3450M 2021\_08



### SPECIFICATIONS

MAX. HEIGHT (WHEN IN VERTICAL MODE)	680mm
DEPTH	250mm
WIDTH	360mm
WEIGHT	13 kilos
TARGET TRAVEL TIME	Fully Exposed 1.5 sec Half Exposed 0.6 sec
HIT SENSING	Externally mounted and remotely adjusted Minimum sensitivity 100 Joules
EXPOSURE SETTINGS	1 to 99 seconds in steps 1 second
OPERATIONAL TEMPERATURE	-15C to 65C
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 610mmx460mm Aluminium/8mm Plywood/Ridged Plastic Max Weight 1.5kg
CONTROL	Integral Radio Transceiver
PROTECTION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C



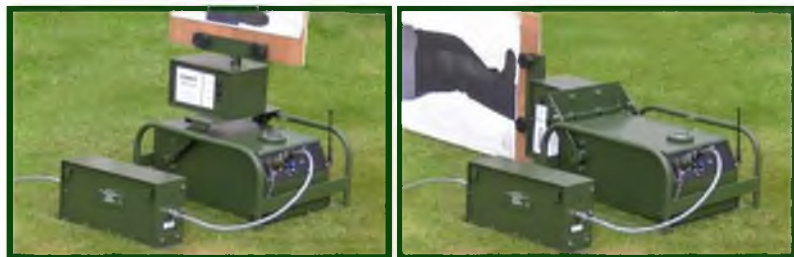
Militec Ltd. Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK. CF45 4ER  
Tel. - +44(0)1443 476849. Email: - [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M3450M 2021\_08



## MILITEC LTD

### M3600M RADIO CONTROLLED POP UP / TURNING TARGET MECHANISM



The M3600M combines the two functions of the M3200M Pop up target and the M2100M two way turner. It allows for a target that is out of view to be turned to a hostile or friendly face before being presented to the shooter. The unit is designed to be used on both indoor and outdoor ranges where more sophisticated training is required.

The M3600M can be operated from the C9172M / C9200M radio control handset or on a fixed range the M3600M can be programmed via the PC-shoot computer based operating system.

In all cases the M3600M will provide the user with hit results and respond to hit reactions.



### SPECIFICATIONS

WEIGHT	30 Kilos
SIZE (WITHOUT BATT. PK)	470mm x 400mm x 520mm (L x W x H)
LIFT TIME	1.4 sec
TURN TIME	0.33 sec (edge to face)
HIT SENSING	Internally mounted and remotely adjusted
EXPOSURE SETTINGS	1 to 99 seconds in steps 1 second
OPERATIONAL TEMPERATURE	-20c to 65c
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 1220x460mm Max Weight 3kg Aluminium /8mm Plywood /Ridged Plastic
CONTROL	Integral Radio Transceiver
PROTECTION CLASSIFICATION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C

### GENERAL FEATURES

RADIO	Control 1-256 individual targets with eight separate radio channels available. Operational range up to 1000 Metres line of sight.
HIT SENSING	Internally mounted hit sensor set remotely from the handset. Target response to hits set from the handset Minimum sensitivity 100 Joules
OPERATION CAPABILITY	1 - Pop Up Only 2 - Turn Only 3 - Pop Up / Turn 4 - Slice / Turn A fully charged battery has sufficient capacity to lift and lower a standard Fig.11 target in excess in excess of 2000 times.
POWER	AC375 Mains power pack 110Vac/240Vac to 12Vdc AC005 Portable battery pack 12Vdc with status indication and "Quick Fit" military bayonet type connector. Weight 4.5 kilos.
FRAME	The tubular steel frame provides extra protection, aids carrying and provides a stable location when in use.
CONSTRUCTION	The enclosures are manufactured from zinc coated sheet steel and finished in polyester powdered paint that is stoved to provide a hard and durable finish. All metal fixings used are manufactured from stainless steel.
CONTROL	C9090M, C9172M, C9200M & C9200M Handsets



## MILITEC LTD

### M3720M MINI POP-UP TARGET MECHANISM



The M3720M Mini Pop-up Target mechanism has been designed for ease of deployment in hostile environments with its light-weight and rugged construction.

Its compact size and weight allow for it to be quickly and easily deployed with the minimum of preparation time and effort.

It has two way radio communication and can be sited up to 1000 metres, depending on the terrain, from the handheld controller



### SPECIFICATIONS

WEIGHT	11 kilos (without battery pack)
SIZE (WITHOUT BATT. PK)	480mm x 280mm x 220mm (L x W x H)
RAISE / LOWER TIME	0.7sec for a standard target board
HIT SENSING	Internally mounted
OPERATIONAL TEMPERATURE	-15C to 65C
OPERATIONAL DISTANCE	Up to 1000m
RADIO FREQUENCY	400Mhz to 460Mhz
TARGET SILHOUETTE	Max Size 610mmx460mm Aluminium / 8mm Plywood / Rigid Plastic Max Weight 1.5kg
CONTROL	Integral Radio Transceiver
PROTECTION	IP65
CONSTRUCTION	Corrosion resistant treated steel
FINISH	Typical dark green, BS381C

### GENERAL FEATURES

RADIO	Control 1-256 individual targets with eight separate radio channels available. Operational range up to 1000 Metres line of sight.
HIT SENSING	Internally mounted hit sensor set remotely from the handset. Target response to hits set from the handset
OPERATION CAPABILITY	Pop Up. A fully charged battery has sufficient capacity to lift and lower a standard Fig 12 target in excess in excess of 3000 times.
POWER	AC375 Mains power pack 110Vac/240Vac to 12Vdc ACO05 Portable battery pack 12Vdc with status indication and "Quick Fit" military bayonet type connector. Weight 4.5 kilos.
FRAME	The tubular steel frame provides extra protection, aids carrying and provides a stable location when in use.
CONSTRUCTION	The enclosures are manufactured from zinc coated sheet steel and finished in polyester powdered paint that is stoved to provide a hard and durable finish. All metal fixings used are manufactured from stainless steel.
CONTROL	C9090M, C9172M, C9200M & C9800M Handsets



## MILITEC LTD

### M4500M BATTERY POWERED TARGET CARRIER



#### SPECIFICATIONS

SIZE	720 x 525 x 160 mm (L x W x H) With detachable 12Ahr battery pack
WEIGHT	16 Kilos (Excluding battery pack)
12 VOLT BATTERY PACK	5 kilos
SPEED	Up to 2 mtrs per second Selectable 4 speeds from the handset controller
RADIO CONTROLLED	C1972M / C9200M or control computer
CARRYING CAPACITY	25 Kilos Typical M2100M target unit
TRAVEL DISTANCE FULLY LOADED	2km
OPERATIONAL DISTANCE	Up to 1km. Line of sight. Upgraded radio version available will increase operational distance to 4km
PROTECTION CLASSIFICATION	IP65

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel: +44(0)1443 476849. Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

MILITEC 2021\_01



Carrier with a M2100M held by two Quick fit connectors



It is very easy to set-up a range. The ground should be reasonably flat, undulating ground is not a problem.

The rails simply slot together at an angle and laid flat.  
Supplied in 1.1 metre lengths.



Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel: +44(0)1443 476849. Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

MILITEC 2021\_01



## MILITEC LTD

### M5150Mv2 WINCH DRAWN CROSSING TARGET SYSTEM



The M5100Mv2 is a range crossing target system powered from a 240 vac supply that is suitable for both indoor and outdoor ranges.

The system consists of:

- Twin tubular square steel tracks supplied in 1.10 metre lengths
- Compact drive unit with motor control and communication cabinet
- Automatic wire-rope tensioning feature
- Automatic battery charging of an onboard battery in the Home position
- Four speed selections 1, 1.5, 2 and 3 m/s
- Acceleration 1.5 m/s<sup>2</sup>
- Trolley capable of supporting a static target frame or a turning target mechanism
- The system is suitable for both indoor and outdoor ranges
- Control via a C9172M / C9200M / Tablet handset or PC-Shoot control computer in conjunction with static targets on the range
- Protection classification IP 54

Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel. +44(0)1443 476849 Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M5150Mv2 2021\_02



### GENERAL INFORMATION

Track Height	87mm
Track Width (M2100M)	422mm
Track Width (M3200M)	650mm
Max. Metal height with M2100M & M3200M	475mm
Track Length	1100mm
Winch Base Width	506mm
Winch Base Length	510mm
Max. Height of winch (with cover fitted)	420mm



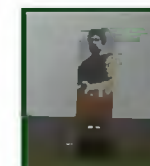
The weight of the motor/gearbox maintains the tension on the wire rope thereby ensuring a smooth acceleration and deceleration for the range of speeds.

The control box itself is generally fitted on the winch frame itself however; it can very easily be detached and positioned remotely if space is at a premium.



The trolley has been designed to accommodate a variety of target mechanisms or brackets to suit the customer's particular requirements.

The trolley shown has automatic battery charging fitted.



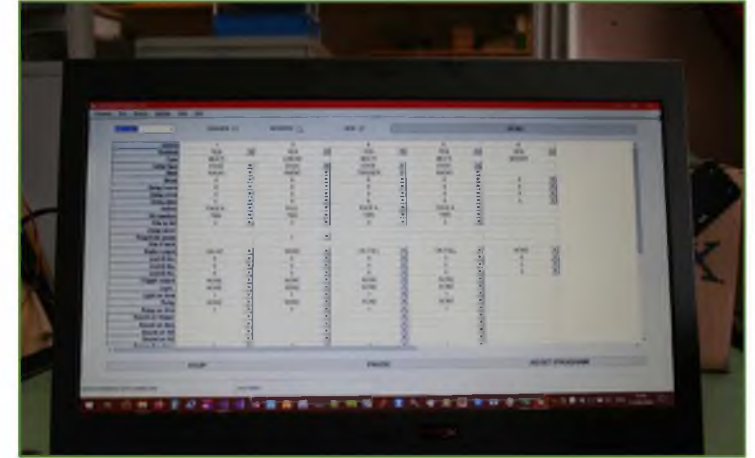
Militec Ltd., Unit 16, Cwm Cynon Business Park, Mountain Ash, Mid-Glam, UK, CF45 4ER  
Tel. +44(0)1443 476849 Email: [sales@militec.co.uk](mailto:sales@militec.co.uk) [www.militec.co.uk](http://www.militec.co.uk)  
Copyright © Militec 2021

M5150Mv2 2021\_02

### PC Shoot Control Software



### Matrix Software UI



### Radio Remote Control



### LOMAH Tablet







**MILITEC**  
SMALL ARMS TARGET EQUIPMENT

[Militec videos](#)

**ROBUST**



**RELIABLE**



**INTUITIVE**



**PROVEN**

