







WARNINGS AND GENERAL SAFETY RULES


The following rules, suggestions and limitations, should be carefully followed, both to comply with the most common safety provisions and to avoid severe and permanent damages to the FIREMASTER SYSTEM, still obtaining the best performance.


 Use of the FIREMASTER SYSTEM and its ancillary units, is strictly reserved to pyrotechnic professionals, duly authorized to fireworks use, following the law provisions of each respective Country.


  Don't modify or try to adjust in any way the internal circuitry.



   Don't store the units in excessively damp or dusty places nor on unstable surfaces.



  Avoid any water spray on the unit's front panel. The units ARE NOT COMPLETELY WATERPROOF! Dry immediately any part subject to accidental fresh water spray or rain shower. Disconnect and put aside any unit accidentally sprayed with SEA WATER: these units must have immediate service in order to clean completely the internal parts. If an immediate technical service is not possible, try to remove the salt water using DISTILLED WATER.




 Never clean the front-panels using solvents, alcohol, acids or bases. Always wipe gently the surfaces using a soft cloth with neutral and no-foam detergent. Avoid scratching the painted surfaces!



 During the show execution, protect your units from the incandescent fallout closing the protection covers on the panels.



 Avoid as long as possible, to place your units directly on the ground (mainly if it is wet, muddy or frozen). The units should be always raised from the ground by at least 50cm – one meter using non-flammable supports: cardboard, plastic or wood boxes must be avoided!


  Avoid any contact between different units, both directly and by means of other external metallic parts or surfaces. Avoid in general any contact between different working units.


  It is NOT suggested to operate the System when the ambient temperature is OVER 45°C o BELOW -15°C.


   The units must be stored in dry places at temperatures between 5°C and 30°C (maximum limits).



  Avoid overcharging the internal batteries exceeding the prefixed charging time. 12 hours are enough for a complete re-charge when the batteries are in good conditions.


  Always switch OFF all the units before store them in the deposit.


 Immediately replace all failed batteries or suspected to be defective (the price of a single battery doesn't worth a compromised show!)



 Discard the failed batteries in strict accordance with the recycling and disposal rules existing for this special material.



 Should any unit emit unusual smell or smoke, switch it OFF immediately and remove the internal batteries.


  Avoid any accidental contact between the metallic parts of the unit and other external circuits or metallic structures.



 Don't operate the units near or inside deposits of flammable material, explosives or devices sensible to electromagnetic fields.



 Don't store or recharge the units inside deposits of explosives, flammables or inside restricted areas. Don't switch ON the units in presence of high concentrations of combustible dust or solvent vapors.



  Never connect your units to other instruments not otherwise specified as **ORIGINAL FIREMASTER ACCESSORY** or expressly declared compatible by the producer.



  Don't connect or dis-connect the electrical squibs while the units are switched ON. Always switch OFF your units before proceeding with the squib connection.



 Don't use testers, ohmmeters or circuit checkers to test the line continuity when the wires are already connected to the unit's terminals! Always perform any measurement on the squib while it is **DISCONNECTED** from the unit!



  Imperatively do **NOT** use external voltage sources trying to increase the voltage or the current of the System.


  Clear the firing site from the personnel when, with mortars loaded and squibs connected, the units are switched ON. Clear the site as well during the whole programming and test steps on the lines and sequences. Always perform any programming and test operation maintaining the maximum safety condition for all the operators.

  Remove the safety key from the units during all the operations involving the squib connection, mortar loading, etc. Avoid any unauthorized use of the System by personnel not qualified or in the wrong moment.

  Imperatively DO NOT USE cellular phones, cordless, walkie-talkies, transmitters, brush motors, high-energy electrical devices, industrial lamps with power reactors, etc. in proximity of the FIREMASTER SYSTEM and its ancillary units while operative (both in SAFE and FIRE mode) and mainly when the squibs are already connected to the system.

  Strictly avoid any electrical contact between the squib lines and any other external circuit or metallic part. Also avoid any contact between the squib wires and metallic parts of the same unit. To each connector must be present only the insulated wires of a single firing line completely free from any other contact.

  Carefully insulate all the squib terminal junctions and avoid any electrical leakage (wet junctions or lines) between wires of different lines or with respect the ground or metallic surfaces.

 NEVER use the FIREMASTER SYSTEM and its peripheral units for any other purpose but the control and firing of PYROTECHNIC SHOWS.

FAILING TO OBSERVE ONE OR MORE OF THE ABOVE WARNINGS, COULD LEAD TO SEVERE FAILURES, DAMAGES TO PEOPLE AND MATERIAL, COMPLETELY OUTSIDE OF THE PRODUCER RESPONSIBILITY, OTHER THAN PERMANENT DAMAGES AND THE IMMEDIATE WARRANTY VOIDING!

PRELIMINARY OPERATIONS FOR THE FIRST INSTALLATION

- 1) Lift the units from the shipping packages (box, container, etc.)
- 2) Check carefully for any dispersed accessory (cables, antenna, software CD, etc.) before discarding the packing material.
- 3) Proceed with an accurate visual inspection of the units in order to discover possible damages, breaks, tampering, etc.
- 4) The following items should be checked in particular:
 - Enclosure, top cover and fasteners
 - Connectors
 - Front panels
- 5) Shake each unit in order to discover noises due to internal parts loosening.
- 6) All contacts and other exposed metal parts should not present traces of corrosion or oxidation
- 7) No traces of liquid spillage (batteries) must be present.

Should any of the above problems be present, DON'T OPERATE THE INSTRUMENT but contact immediately the Service Center!

The units of the FIREMASTER series are usually supplied with the batteries **ALREADY INSTALLED AND READY-TO-USE**: it could happen however as, due to a long storage period before the first installation, the batteries become partially discharged.

In this case the unit **SHOULD BE NOT INSTALLED** but a previous **COMPLETE CHARGE** of the batteries must be performed.

NOTE: The batteries are subject to a natural auto-discharge during the storage periods. The discharge rate is function of the battery residual life and of the ambient temperature (higher the temperature, faster the auto-discharge).

In particular climatic conditions and for very prolonged inactivity periods (over 60 days), it may happen as the batteries fall **BELOW THE MINIMUM ALLOWED LEVEL FOR A REGULAR RE-CHARGE**. In this case the batteries must be considered as **PERMANENTLY DAMAGED**. A single charging cycle can be still attempted. If this last attempt shouldn't succeed, **DO NOT INSIST AGAIN**, but **REPLACE THE DAMAGED BATTERIES WITH NEW ONES**.

Contact the Service Centre to obtain details about the batteries replacement.



We recall here the RECYCLING RULES for the battery disposal: avoid at any extent to discard the failed batteries along with the normal urban waste, but always ask to a specialized collecting centre for this type of special, polluting waste!

PRELIMINARY OPERATIONS FOR THE STARTUP

- 1) Before switching ON any unit of the FIREMASTER series, remember to connect the antenna (only for the units fitted with this component) reading carefully the User's manual.
- 2) The continuous use of a FIREMASTER unit without the antenna properly installed, could lead to severe damage of the internal circuitry!
- 3) The unit will be switched ON using the safety key or the general power switch.
- 4) Check immediately as the unit behavior is the correct one described in the User's manual.
- 5) Should any irregular behavior be noticed or emission of smoke or sparks, SWITCH OFF THE UNIT IMMEDIATELY and DO NOT ATTEMPT A SECOND TIME! ASK IMMEDIATELY THE SERVICE CENTRE!
- 6) The FIREMASTER units don't have controls, adjustments or commands, nor internal, nor external, to be tuned by the User. In case of failure or apparent malfunction, DO NOT ATTEMPT TO OPEN THE UNITS AND MANIPULATE THE INTERNAL CIRCUITRY! (This operation, if not duly authorized by the Service Centre, WILL IMMEDIATELY VOID THE WARRANTY!)

CERTIFICATIONS

The **FIREMASTER IV "Millennium Three"** SYSTEM is provided with the mandatory **CE** marking and fulfills all the rules and product directives as required by the Law. In particular the FIREMASTER System has been tested by a "**Notified Body**" (EUROFINS 0681).

The **FIREMASTER IV "Millennium Three"** SYSTEM is COMPLIANT with the following directives:

- ELECTROMAGNETIC COMPATIBILITY: EN 301 489- 3 V1.4.1 (2002) , EN 301 489- 1 V1.6.1 (2005), EN 55014-1 (2001) + A1 (2001) + A2 (2002) + EN 55014-2 (1997) + A1 (2001) - Rif. R&TTE
- RADIO SECTION: EN 300 220-1 V2.1.1 (04-2006), EN 300 220-2 V2.1.2 (06-2007), EN 50371 (03-2002)- Ref. R&TTE
- ELECTRIC SAFETY: EN 60950-1 (2001) + EN 60950-1/A11 : 2004 - Ref. R&TTE
- FCC CERTIFICATION: CFR47 Part.15 sub B. Par.15.107 and 15.109, Part 15 sub C Par. 15.231

FCC I.D.: SLO-FIREMASTER4KR

(RX48)

FCC I.D.: SLO-FIREMASTER4KT

(TX5000)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

DECLARATION OF CONFORMITY

Hereby

PARENTE FIREWORKS s.r.l
Via Oberdan, 107
45037 MELARA (RO) -ITALY

declares that this

"SYSTEM FIREMASTER IV "Millennium Three"

composed by the following sub-assemblies:

BASE UNIT TX5000
REMOTE UNIT RX48
EMERGENCY BATTERY PACK BPK 48-A

*Is in compliance with the essential requirements
and other relevant provisions of Directive
1999/5/EC*

WARNINGS

Changes or modifications not expressly approved by the party responsible for compliance, could void the user's authority to operate the equipment.

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- Reorient or relocate the receiving antenna.
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WARRANTY

PARENTE FIREWORKS s.r.l

Via Oberdan, 107

45037 MELARA (RO) -ITALY

Tel. ++39-(0)425-89035

Fax ++39-(0)425-89640

www.parente.it

www.firemasterplus.com

info@parente.it

service@firemasterplus.com

Manufacturer of the SYSTEM FIREMASTER IV "Millennium Three" and its accessories, grants all Units free from manufacturing defects for a period of 12 months from the purchasing date.

All Units requiring service within the warranty period, must be sent back to PARENTE FIREWORKS - ITALIA or to an authorized laboratory at Customer's charge.

Before sending any Unit or part for servicing under warranty, make sure all procedures described in the present manual have been carefully followed.. ALWAYS CONTACT IN ADVANCE A PARENTE FIREWORKS REPRESENTATIVE TO OBTAIN A WRITTEN AUTHORIZATION FOR THE SERVICE DETAILS.

When the Units are sent back for servicing, please send also a short description of failures and problems encountered as well as a description of the ambient and operating conditions existing when the problem occurred.

We recall here as ALL BATTERIES are EXCLUDED from the present warranty.

SERVICE CENTRE FOR ASSISTANCE

For any necessity of technical service (under warranty or not), information about the instruments use, technical support for the FIREMASTER series equipments, please contact:

SERVICE CENTRE FOR ASSISTANCE TO THE FIREMASTER SYSTEM AND RELATED ACCESSORIES

ART –CAB *di Alfredo Coltro*
**“Parente Fireworks” Service Centre for the
FIREMASTER SYSTEM and related accessories**

ART-CAB
Via Garibaldi, 15 - 22078 Carbonate (CO) - ITALY

P.IVA 01420480137
Tel. - Fax: +39 - 0331 - 831330
E-MAIL: lucizza@tin.it artcab@coltro-alfredo.191.it
service@firemasterplus.com

REPAIR CONDITIONS

ART-CAB, Authorized Service Centre Parente Fireworks, provides all type of technical service for the Firemaster System units, both under warranty or not, except for any damage due to fraud or negligence.

Courtesy Units

Should the repair time extend over the reasonable limits, it will be possible to supply (when available) the Customer with a courtesy unit, following a specific request and against payment of a money caution. The caution will be returned upon return of the unit in the original conditions.

Repair advancement

To obtain information about the repair advancement of your Firemaster Unit, please contact directly the Service Centre at: +39-0331-831330.

Note: before any call to the Service Centre, it is suggested to obtain the serial number of the unit and your User's Code. Both data are available on the label placed on the unit side.

Service outside warranty

The repair of units no longer covered by warranty, is subject to special conditions. Please check in advance with the Service Centre the conditions (rates, modes and times).

Service under warranty

The warranty period is 12 months* both for the main units and the accessories, with exception of the batteries of FIRST INSTALLATION having a warranty period of 6 months*.

Repair warranty

In case of iteration of the same failure after a repair, the Parente Fireworks Authorized Service Centre, offers for all repaired units, a general warranty of 3 months. The warranty is not in addition with eventual other existing warranties

*** Excepted any different provision of the law.**

GENERAL SALES CONDITIONS

- IVA (tax) not included.
- Shipment with our forwarder and shipment costs at user's charge (otherwise following specific directives).
- Package costs at User's charge.
- Payment: 30% in advance with the order and the remaining upon goods receipt.
- The company reserves the faculty to vary at any moment the dimensions and shape of its products without prior notice and to make any modifications or improvements following its unobjectionable decision.

TECHNICAL SERVICE OF THE FIREMASTER PRODUCTS - GENERAL CONDITIONS

- The warranty period is 12 months from the goods receipt date.
- The warranty doesn't cover the consumables, the rechargeable batteries and, in general, any component subject to wear, the failures due to shocks, drop, misuse or abuse, accidental causes or failures due to the transportation.
If the warranty seal is removed or tampered, the warranty is immediately void.
- The repair of the failed units will be performed following the type of problem declared by the User.
- Any repair under warranty must be expressly requested.
- The pro-forma invoice must be requested expressly.
- Payment must be made BEFORE the unit is sent back.

REPAIR UNDER WARRANTY

- The repairs under warranty are always intended in our laboratories upon written authorization
- For any repair under warranty, it is requested copy of the purchase invoice or shipment document allowing to check the purchase period is within the warranty limits.
- Should the product sent for repair result in perfect conditions, the Customer will be in any case charged by € 25.

REPAIR OUTSIDE WARRANTY

- For any repair not covered by warranty performed in our laboratories and with written authorization, the shipment costs are at User's charge.
- With limitation to the replaced parts during the repair, the warranty of the repair service is 12 months from the unit collect.
- Should the product sent for repair result in perfect conditions, the Customer will be in any case charged by € 25.

REPAIR AT PURCHASER DOOR

- In case of repair directly to the purchaser's address, it will be necessary a written request with full indications of the user's data, type of instrument and nature of failure.
- The cost for the transfer of a specialized technician is related to the urgency of the service requested.
- If the unit to be serviced should be still covered by warranty, only the repair cost will be not charged.
- The service time will be calculated from the departure of the technician from the Service Centre until he will be back. The return time will be evaluated on the basis of the time spent the first time.

SPARE PARTS AND CONSUMABLES

- Orders must be sent by letter, mail, e-mail or FAX specifying the part type, the client data, the shipment conditions and the fiscal data for the invoice.
- The delivery time may vary depending on the availability of the requested item.
- It is NOT allowed to send back any spare part.
- Payment will be always at goods receipt, excepted special agreements.