

7000 Series MultiFrame

Instruction Manual

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IMPORTANT SAFETY INSTRUCTIONS

	<p>The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “Dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>
	<p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the product.</p>

- Read these instructions
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC – SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE

WARNING

DO NOT EXPOSE THIS EQUIPMENT TO DRIPPING OR SPLASHING AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS ARE PLACED ON THE EQUIPMENT

WARNING

TO COMPLETELY DISCONNECT THIS EQUIPMENT FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE

WARNING

THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY OPERABLE

INFORMATION TO USERS IN EUROPE

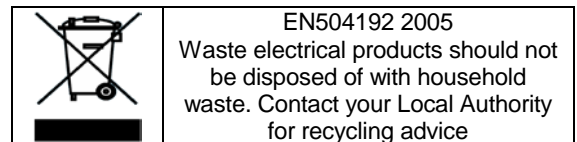
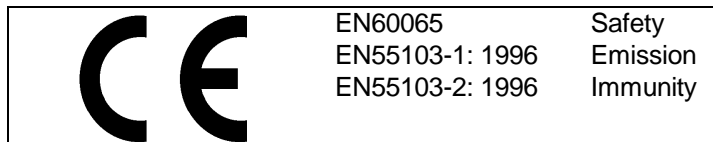
NOTE

This equipment with the CE marking complies with both the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European standards:

- EN60065 Product Safety
- EN55103-1 Electromagnetic Interference Class A (Emission)
- EN55103-2 Electromagnetic Susceptibility (Immunity)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to the European Union EMC directive. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



INFORMATION TO USERS IN THE U.S.A.


NOTE

FCC CLASS A DIGITAL DEVICE OR PERIPHERAL

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING

Changes or modifications not expressly approved by Evertz Microsystems Ltd. could void the user's authority to operate the equipment. Use of unshielded plugs or cables may cause radiation interference. Properly shielded interface cables with the shield connected to the chassis ground of the device must be

Evertz Microsystems Ltd		This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 For Commercial Use		
Tested to comply with FCC Standards		This device may cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

ELECTROSTATIC SENSITIVE DEVICES



The hand symbol within an equilateral triangle is intended to alert the user to instructions related to precautions for handling electrostatic-sensitive devices. See “Electro Static Discharge (ESD) Precautions” section for further details.

INFORMATION FOR NEBS COMPLIANT VERSIONS



The intra-building port(s) of this equipment is suitable for connection to intra-building or unexposed wiring or cabling only. The intra-building port(s) of the equipment **MUST NOT** be metallically connected to interfaces that connect to the OSP or its wiring. These interfaces are designed for use as intra-building interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE, Issue 4) and require isolation from the exposed OSP cabling. The addition of Primary Protectors is not sufficient protection in order to connect these interfaces metallically to OSP wiring.



This equipment must be installed in a restricted access location.



This equipment is to be connected to a Common Bonding Network. See Installation section for further information.



This equipment is to be installed in the network telecommunication facilities.



To ensure that radiated emissions do not exceed NEBS requirements, all Ethernet (Cat-5 or better) connections must use shielded cable.

The use of unshielded Ethernet cable may cause excessive electromagnetic radiation in excess of NEBS specifications.

REVISION HISTORY

<u>REVISION</u>	<u>DESCRIPTION</u>	<u>DATE</u>
1.0	Initial release of individual sections: Overview, Selector Guide, 7700FR Frame, Fiber Optics System Design, Upgrading Firmware 7700DA-HD, 7705OE-HD, 7705EO-HD, 7710MD, 7720AD-HD, 7720AE-HD 7700DA, 7705OE, 7705EO	June 1999
1.1.	New release of various chapters and updated chapters 7700DA-HD, 7705EO-HD, 7705OE-HD, 7720AE-HD & 7720AD-HD	Sept. 1999
2.0	New release of various chapters and updated chapters, 7750SRG-HD, 7720AD, 7720AE, 7700ADA, 7750TG, 7760AVM-LITE	May 2000
2.1	New release of various chapters: 7721DD, 7721DE, 7700FC, 7730DAC-HD, 7732PFT-HD, 7760AVM and updated various chapters	July 2000
2.2	New release of various chapters: 7700DA-AES, 7700DA-DS3, 7705AR, 7705AT, 7705DT, 7705OO, 7705OO-HD, 7735AVC 7745FS-HD, 7750SSG, 7750TG2-HD and updated various chapters	June 2001
2.3	Added 7707CVR/T, 7707EO/OE, 7707MR/MT, 7707VAR/VAT, 7707ET 7735CD, 7735CE, 7745FS, 7740DLY, 7761AVM-DC, 7765AVM-4 New versions of 7720AD, and 7720AE and various other modules Updated Product Selector Guide	Jan 2002
2.4	Updated Safety Instructions	May 2005
2.5	Updated for 7800FR and 7800FR-Q	Sep 2008
2.6	Merged 7700 and 7800 series and removed Selector Guide	Oct 2010
2.7	Updated for ESD and NEBS warnings	May 2013

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