

CSD-5300 Master Clock System Driver

Instruction Manual Addendum

Manual Revision A2: January 1999
Addendum Release: August 2001



Purpose

This addendum updates the Safety and Certification information found in the CSD-5300 Master Clock System Driver Instruction Manual, Revision A2.

Important Safety Instructions

Review the following safety precautions to avoid injury and prevent damage to this product or any products connected to it. Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions.

Safety Terms and Symbols



Only qualified personnel should perform service procedures. 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.

Terms and Symbols in This Manual



WARNING: Statements identifying conditions or practices that can result in personal injury or loss of life: High voltage is present. Uninsulated dangerous voltage within the product's enclosure may be sufficient to constitute a risk of electric shock to persons.



CAUTION: Statements identifying conditions or practices that can result in damage to the equipment or other property: Important operating and maintenance (servicing) instructions in the literature accompanying the product.

Terms and Symbols on the Product



DANGER: High voltage and indicates a personal injury hazard immediately accessible as one reads the marking.



WARNING: Indicates a personal injury hazard not immediately accessible as one reads the marking.



CAUTION: Indicates a hazard to property including the product or to take attention and refer to the manual.



Protective ground (earth) terminal.



Fuse: Replace with same type and rating of fuse.



Observe precautions for handling electrostatic-sensitive devices.

Injury Precautions

WARNING!



To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING!



Potentially lethal voltages are present within this product's frame during normal operation. The AC power cord must be disconnected from the frame before the top panel is removed. (In frames with multiple power supplies, remove ALL power cords.) Power should not be applied to the frame while the top is open, unless properly trained personnel are servicing the unit.

[PL Poland] Przed zdjęciem pokrywy wyciągnąć wtyczkę z gniazda sieciowego.

[French] AVIS: RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.
INSTALLER SUR SUPPORT DE MONTAGE SEULEMENT.

WAARSCHUWING:
SCHOK GEVAAR
NIET OPEN MAKEN
ALLEEN IN RAK MONTER

AVVISO:
PERICOLO DI CORRENTE
E PROIBITO L'APERTURA
SI PREGA DI FARE IL MONTAGGIO
AL PROPRIO SOPPORTO

FIGYELEM:
ÁRAMÚTÉS VESZÉLY
CSAK A MEGTELELŐ
TARTÓKERETBE ŰZEMBEHELYEZNI

ADVARSEL:
MULIGHED FOR ELEKTRISK STØD
INDEHOLDER STRØMFØRENDE DELE
APPARATET MÅ KUN ÅBNES AF
KVALIFICERET.
SKAL INSTALLERES I JORDET RACK

ATENÇÃO:
PERIGO DE CHOQUE
SO PARA MONTAGEM
EM BASTIDOR

注意：
請勿打開機殼以免觸電
該設備須裝在機櫃中使用

경고 전기 충격 위험 가능 열지 마십시오

WARNUNG:
SCHOCK GEFAHR
NICHT ÖFFNEN
NUR IN DAS GESTELL MONTIEREN

UWAGA:
GROZI PORAZENIEM
NIE OTWIERAC
MONTOWAC TYLKO W RAMIE

VARNING:
FARA FÖR ELEKTRICITETEN KINYITNI
ÖPPNA EJ
MONTERES ENDAST I RACK

ADVERTENCIA:
PELIGRO DE DESCARGA ELÉCTRICA
NO ABRIR EL EQUIPO
SOLO PARA INSTALAR EN RACK

ΠΡΟΕΙΔΟΠΟΙΗΣΗ:
ΚΙΝΔΥΝΟΣ ΗΛΕΚΤΡΟΠΛΗΞΙΑΣ
ΜΗΝ ΑΝΟΙΓΕΤΕ
ΤΟ ΠΡΟΪΚΤΗΡΙΟ ΜΟΝΟ ΣΕ ΚΑΤΑΛΛΗΛΟ
ΗΠΟΣΤΗΡΙΓΜΑΦΙΧ ΠιψΓψ

ТРЕДУПРЕЖДЕНИЕ:
Электрический опасность не открыты.
Монтируется в ражете только.

AVIS - Risque de choc électrique. Ne pas ouvrir.

Use Proper Power Cord

To avoid fire hazard, use only the power cord specified for this product.



Ground The Product



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. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

[United Kingdom] WARNING: THIS APPLIANCE MUST BE EARTHED.

[Sweden] APPARATEN SKALL ANSLUTAS TILL JORDAT UTTAG NÄR DEN ANSLUTS TILL ETT NÄTVERK.

Do Not Operate Without Covers

To avoid electrical shock or fire hazard, do not operate this product with covers or panels removed.



Laser Radiation When Open

CAUTION: To avoid damage from laser radiation, do not remove or displace any connections or protective panels.



CLASS 1 LASER PRODUCT

[Finland] LUOKAN 1 LASERLAITE.
[Sweden] KLASS 1 LASER APPARAT.

CLASS 1
LASER PRODUCT



CAUTION! USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Use Proper Fuse

To avoid fire hazard, use only the fuse type and rating specified for this product.



Do Not Operate In Wet/Damp Conditions

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture



Do Not Operate In An Explosive Atmosphere

To avoid injury or fire hazard, do not operate this product in an explosive atmosphere.



Avoid Exposed Circuitry

To avoid injury, remove jewelry such as rings, watches, and other metallic objects. Do not touch exposed connections and components when power is present.



Product Damage Precautions

Use Proper Power Source

Do not operate this product from a power source that supplies more than the specified voltage.



Use Proper Voltage Setting

Before applying power, ensure that the line selector is in the proper position for the power source being used.



Provide Proper Ventilation

To prevent product overheating, provide proper ventilation.



Do Not Block Any Ventilation Openings

Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.



Only Use Attachments/Accessories Specified By The Manufacturer



Do Not Operate With Suspected Failures

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.



For Products With Multiple Power Cords:

CAUTION: This unit can have more than one power supply cord. To de-energize the internal circuitry, disconnect all power cords before servicing.

[Norwegian] ADVARSEL: Utstyret kan ha mere enn en tilførselsledning. For å gjøre interne deler spenningsløse må alle tilførselsledningene trekkes ut.

[Sweden] VARNING: Denna apparat har mer än en nätanslutning. Samtliga nätkablar måste bortkopplas för att göra de interna kretsarna spänningsfria.



Do Not Use This Apparatus Near Water

Do not expose this apparatus to dripping or splashing water. Ensure that no objects filled with liquid, such as vases or cups, are placed on the apparatus.



Clean Only wWith A Dry Cloth



Keep Product Away From Heat Sources

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



Install Near Socket Outlet

The equipment shall be installed near the socket outlet, and a disconnect device shall be easily accessible.



Protect the Power Cord

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



Unplug This Apparatus During Lightning Storms



Unplug this apparatus during lightning storms or when unused for long periods of time. Note: A UPS or power surge suppressor could be used as an alternative.

Attention:



Observe precautions for handling electrostatic-sensitive devices. See "Preventing Electrostatic Discharge" below for details.

Fuse Replacement:



CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE OF FUSE.

[French]ATTENTION: REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE.



CAUTION: REPLACE WITH SAME TYPE 1.0A 250V CIRCUIT BREAKER.

[French]ATTENTION: REMPLACER PAR UN DISJONCTEUR DE MEME TYPE ET DE 1.0A 250V.

Battery Use Warnings



CAUTION:
DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY PLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

[FI Finland] VAROITUS: Paristo voi rajahtaa, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan valmistajan suosittelemaan tyyppun. Havita kaytetty paristo valmistajan ohjeiden mukaisesti.

[SE Sweden] WARNING: Explosionsfara vid felaktigt batteribyte. Anvand samma batterityp eller en eller en ekvivalent typ som rekommenderas av tillverkaren. Kassera anvant batteri enligt fabrikantens instruktion.

[D Denmark]

Advarsel! Lithiumbatteri. Eksplosionsfare ved fejlagtig handling.
Udskiftning ma kun ske med batteri af samme fabrikat og type.
Lever det brugte batteri tilbage til leverandoren.

[KO Korean]

경고

만약 틀린 전지로 교환했을 경우, 폭발 위험이 가능합니다.
똑같거나, 동등한 종류와 교체하는 것을 제조업자로서 권장합니다.
제조업자의 지시에 따라, 사용된 전지는 버려 주십시오.

Preventing Electrostatic Discharge



CAUTION: Electrostatic discharge (ESD) can damage components in the product. To prevent ESD, observe these precautions when directed to do so:

1. Use a Ground Strap. Wear a grounded antistatic wrist strap to discharge the static voltage from your body while installing or removing sensitive components.
2. Use a Safe Work Area. Do not use any devices capable of generating or holding a static charge in the work area where you install or remove sensitive components. Avoid handling sensitive components in areas that have a floor or benchtop surface capable of generating a static charge.
3. Handle Components Carefully. Do not slide sensitive components over any surface. Do not touch exposed connector pins. Handle sensitive components as little as possible.
4. Transport and Store Carefully. Transport and store sensitive components in a static-protected bag or container.

Certifications and Compliances

This product has been tested and found to comply with the following CE, FCC, UL, ICES and CSA standards:

EMC Standards

EN55014	Limits and methods of measurement of radio disturbance characteristics of electric motor-operated and thermal appliances for household and similar purposes, electric tools and similar electric apparatus.
EN55022	Limits and methods of measurement of radio disturbance characteristics of information technology equipment, Class A.
EN55103-1	Electromagnetic compatibility—Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use, Part 1: Emission, Environment E4.
EN55103-2	Electromagnetic compatibility—Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use, Part 2: Emission, Environment E4.
EN61000-4-2	Electrostatic discharge requirements “ESD” 2kV CD, 4kV AD.
EN61000-4-3	Radiated radio-frequency electromagnetic field immunity test 1V/m {1kHz 80% AM, 80-1000MHz}.
EN61000-4-4	Electrical Fast transient requirements “Burst”, 0.5kV Sig. & Ctrl. Lines 0.5kV a.c. & d.c. Power line, 0.5kV functional earth.
EN61000-4-5	Surge Immunity test 0.5kV a.c. Power line.
EN61000-4-6	Immunity to conducted disturbances induced by radio frequency fields 1V rms 0.15-80MHz Sig. & Ctrl. Lines, 3V rms 0.15-80MHz d.c. Power line, 1V rms 0.15-80MHz a.c. Power line, 1V rms 0.15-80MHz functional earth.
EN61000-4-11	Voltage dips, short interruptions and voltage variations-immunity tests.

per the provision of the Electromagnetic Compatibility Directive 89/336/EEC of 3 May 1989 as amended by 92/31EEC of 28 April 1992 and 93/68/EEC, *Article 5 of 22 July 1993.*

These devices are for professional use only and comply with Part 15 of FCC rules. Operation is subject to the following two conditions:

- 1 - These devices may cause interference to Radio and TV receivers in residential areas.
- 2 - These devices will accept any interference received, including interference that may cause undesired operations.

These devices do not exceed the class A limits for radio noise emissions from digital apparatus as set out in the interference standard entitled “Digital apparatus”, ICES-003 of the Canadian Department of Communications.

Safety Standards

EN60065	Safety requirements for mains operated electronic and related apparatus for household and similar general use [IEC 60065: 1985, 5th Edition + A1: 1987 + A2: 1989 + A3: 1992, (modified)], per the provision of the Low-Voltage Directive 73/23/EEC of February 19, 1973, as amended by 93/68/EEC.
UL 1419	Professional Video and Audio Equipment.
CSA C22.2 No 1:98	Audio, Video and Similar Electronic Equipment