



Supernova™ Epic

User Guide / Service Guide

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A Welcome

Congratulations on your purchase of the **dnp** Supernova Epic Screen.

Lean back and enjoy the vivid colours and superior image quality of this unique product. You'll experience exceptional picture detail and be able to enjoy many hours of quality entertainment.

Please study the instructions carefully before operating the screen.

The perfectly curved Supernova Epic combines superior Supernova optical screen technology with the best of 'real' cinemas. Viewers get swept into the action. An electronically controlled masking system adjusts screen width to fit any movie format. Velvet curtains glide open and shut at the screening's start and finish. The experience is epic.

Supports all formats Now you can watch all your movies in the format the director intended – the Supernova Epic supports all film formats up to ultra-wide Cinemascope 2.4:1. The elegant black velvet masking system silently glides into place to maintain a constant image height and eliminate the visibility of black bars. The ultimate in home theatre screens, the Supernova Epic features a curved screen surface to enhance the perceived depth and uniformity of the image. The result: a high-quality, dynamic viewing experience, day or night.

Award-winning technology Created using award-winning Supernova Screen technology, the Supernova Epic features high-contrast filters that enable the projected image to be optimally reflected from the screen. With its advanced layer of lenses, it actively combats retro-illumination – where light from the screen image is reflected back onto the screen from the room. The screen renders images in 100% neutral colour for superior, realistic colour reproduction and has a completely passive, shimmer-free front surface.

Getting started This user manual is your guide to operating the Supernova Epic and keeping it in good condition. Please study it carefully before operating the screen.

B Important Safety Instructions

- ⚠ Read these instructions.
- ⚠ Keep these instructions.
- ⚠ Heed all warnings.
- ⚠ Follow all instructions.
- ⚠ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- ⚠ Install the screen against a wall. If the screen is to be installed out from the wall a backside protection cover must be used
- ⚠ Use the enclosed tip-over safeguard
- ⚠ Do not scratch or bend the screen material during handling.
- ⚠ Do not operate the screen before it is installed on wall.
- ⚠ Do not pull or tug on screen when mounted on wall.
- ⚠ Do not restrict the masking curtains from moving.
- ⚠ The screen is a class I construction and shall be connected to a mains socket outlet with protective earthing connection. Do not install without a ground connection.
- ⚠ Do not defeat the safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- ⚠ The mains plug, extension cord, appliance inlet or power strip is used as the disconnect device, the disconnect device must remain readily operable.
- ⚠ 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 or when unused for long periods of time.
- ⚠ **WARNING!** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- ⚠ The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- ⚠ Operate within specified temperature and humidity range (see installation manual).
- ⚠ Batteries in Remote Controller shall not be exposed to excessive heat such as sunshine, fire or the like.
- ⚠ Do NOT use re-chargeable batteries.
- ⚠ In order not to overheat the curtain motors, do not open and close the masking curtains more than 5 times per hour.
- ⚠ Do not attempt to disassemble any part of the screen (electric shock hazard).
- ⚠ Do not permit children to play with screen controls.
- ⚠ Examine the screen for imbalance or signs of wear during operation. If needed, adjust before operating.

C Instructions de sécurité importantes

- ⚠ Lire ces instructions.
- ⚠ Conserver ces instructions.
- ⚠ Tenir compte de tous les avertissements.
- ⚠ Suivre toutes les instructions.
- ⚠ Ne bloquer aucune ouverture de ventilation. Installer conformément aux instructions du fabricant.
- ⚠ Installer l'écran contre un mur. Si l'écran n'est pas installé contre un mur, une protection arrière doit être installée.
- ⚠ Utilisez les systèmes anti basculement fournis
- ⚠ Ne pas érafler ou courber le matériel de l'écran lors des manipulations.
- ⚠ Ne pas faire fonctionner l'écran avant qu'il ne soit installé sur le mur.
- ⚠ Ne pas tirer sur l'écran une fois qu'il est monté sur le mur.
- ⚠ Ne pas empêcher le déplacement des rideaux occulteurs.
- ⚠ L'écran est de classe I et doit être connecté à une prise secteur disposant d'une mise à la terre. Ne pas installer le système en l'absence de prise de terre.
- ⚠ Ne pas négliger la sécurité que procure une prise avec raccordement à la terre. Une prise avec raccordement à la terre comporte deux fiches plus une troisième reliée à la terre. Cette troisième fiche est là pour votre sécurité. Si le connecteur fourni ne s'insère pas dans votre prise de courant, consulter un électricien afin de la remplacer.
- ⚠ La prise secteur, le cordon, l'alimentation de l'appareil ou la barrette d'alimentation sont utilisés comme dispositifs de déconnexion et doivent être facile à actionner.
- ⚠ Protéger le cordon d'alimentation principale afin qu'il ne soit pas écrasé ou pincé, en particulier au niveau des prises de courant et au point de sortie de l'appareil.
- ⚠ Débrancher cet appareil en cas d'orage avec risque de foudre ou lorsqu'il n'est pas utilisé pendant des périodes prolongées.
- ⚠ **ATTENTION!** Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité.
- ⚠ L'appareil ne doit pas être exposé à un égouttement ou des éclaboussures et il convient de ne placer aucun objet contenant un liquide, comme un vase, sur l'appareil.
- ⚠ Utiliser l'écran selon les plages de température et d'humidité spécifiées (cf. manuel d'installation).
- ⚠ Les piles de la télécommande ne doivent pas être exposées à une source de chaleur excessive telle que la lumière du soleil, le feu ou une source similaire
- ⚠ Ne pas utiliser de piles rechargeables.
- ⚠ Afin de ne pas surchauffer leurs moteurs, ne pas ouvrir et fermer les rideaux de protection plus de 5 fois par heure.
- ⚠ Ne pas tenter de démonter quelque partie de l'écran que ce soit (danger de choc électrique).
- ⚠ Ne pas laisser les enfants jouer avec les commandes de l'écran.
- ⚠ Examiner l'écran afin de détecter tout déséquilibre ou signe d'usure pendant le fonctionnement. Si nécessaire, ajuster avant de faire fonctionner

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.

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.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAUTION:

Changes or modifications not expressly approved by **dnp denmark as** could void the user's authority to operate this equipment according to part 15 of the FCC rules.

D Remote control

The remote is factory programmed for Supernova Epic.



NOTE! Be aware when installing the screen close to equipment using the same IR communication protocol. Commands may activate other electronic components.

Batteries

Remove rear cover and replace with 2x 3V CR2032 coin cell batteries.

CAUTION!

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

Do not use re-chargeable batteries.

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

ATTENTION!

Danger d'explosion si la pile n'est pas remplacée correctement.
Ne remplacer que par le même type ou un type équivalent.

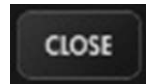
Ne pas utiliser de piles rechargeables

Les batteries (bloc de batteries ou batteries installées) ne doivent pas être exposées à une chaleur excessive telle que celle du soleil, d'un feu ou d'origine similaire

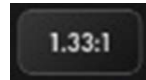


Button:

Function:



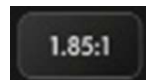
Press once to close curtains.



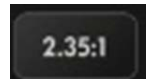
Press once to move curtains to 4:3 format.



Press once to move curtains to 16:9 format.



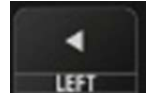
Press once to move curtains to 1.85:1 format.



Press once to move curtains to 2.35:1 format.



Press once to move curtains to 2.40:1 format.



Press and hold to move left curtain left. Release to stop.



Press and hold to move left curtain right. Release to stop.



Press and hold to move right curtain right. Release to stop.



Press and hold to move right curtain left. Release to stop.



Press and hold for 3 seconds to save current curtain position as “Custom 1” format.
Press once to move curtains to “Custom 1” format



Press and hold for 3 seconds to save current curtain position as “Custom 2” format.
Press once to move curtains to “Custom 2” format

E Powering up

Plug the power cord into the wall socket.

- a. After powering on, press any format on the remote.

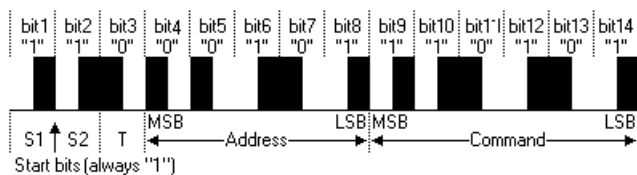


- b. First, the screen automatically calibrates by opening fully.
- c. Then, moves to the desired aspect ratio.
- d. There will be a delay before screen movement occurs after pressing the button.

F Communication

IR remote control

The screen is operated by the standard protocol, RC5. Please see below for details:



The illustration shows a typical pulse train of an RC5 message. This example transmits command 0x35-53 to address 0x05-5.

Description	LCD remote	RC5 address	RC5 command
Close curtains	CLOSE	0x1B - 27	0x2C - 44
Move curtains to 1.33:1 (4:3) format	1.33:1	0x1B - 27	0x2D - 45
Move curtains to 1.78:1 (16:9) format	1.78:1	0x1B - 27	0x2E - 46
Move curtains to 1.85:1 format	1.85:1	0x1B - 27	0x2F - 47
Move curtains to 2.35:1 format	2.35:1	0x1B - 27	0x35 - 53
Move curtains to 2.40:1 format	2.40:1	0x1B - 27	0x36 - 54
Move curtains to "Custom 1" format	C1	0x1B - 27	0x1E - 30
Move curtains to "Custom 2" format	C2	0x1B - 27	0x1F - 31
Move left curtain left	(L) ◀	0x1B - 27	0x29 - 41
Move left curtain right	(L) ▶	0x1B - 27	0x27 - 39
Move right curtain left	(R) ◀	0x1B - 27	0x28 - 40
Move right curtain right	(R) ▶	0x1B - 27	0x26 - 38
Save current curtain positions as "custom 1" format	SAVE C1	0x1B - 27	0x32 - 50
Save current curtain positions as "custom 2" format	SAVE C2	0x1B - 27	0x39 - 57

RS-232 serial control

Protocol

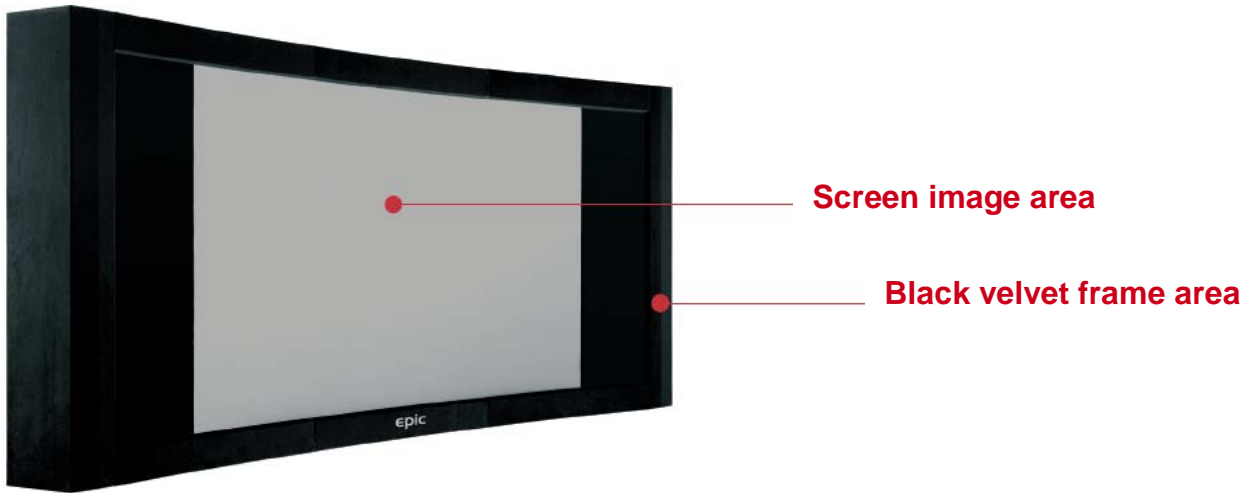
The interface is based on RS-232 using 115200 Baud, 8 bits, 1 start bit, 1 stop bit and no parity. Use RS-232 straight-through cables.

The protocol is line-oriented. The controller expects single command lines containing a command word - optionally followed by one or more parameters, each separated by one or more spaces. Command lines must be terminated by a single carriage return (ASCII code 13) and may be optionally followed by a linefeed (ASCII code 10).

User commands

Command	Function
? or h	Shows the help menu
close	Moves the curtains to fully closed position
format 133	Moves the curtains to 1.33:1 format position
format 178	Moves the curtains to 1.78:1 format position
format 185	Moves the curtains to 1:85:1 format position
format 235	Moves the curtains to 2.35:1 format position
format 240	Moves the curtains to 2.40:1 format position
format 1	Moves the curtains to "custom 1" format position
format 2	Moves the curtains to "custom 2" format position
reset	Resets curtains
x	Immediately stops current screen movement
V	Shows the firmware version

G Cleaning



Black velvet chassis and curtains



Slightly dusty

Dust with a feather duster or something similar. Light vacuum cleaning is possible, but make sure to use a fitting with bristles that are not too hard to scratch the surface.

Dirty

Clean with a gentle detergent solution. Apply with a small brush. We recommend a soft toothbrush. Dry with a lint-free cloth or with a hairdryer without heat.

Screen image area



Slightly dusty

Dust with a feather duster or something similar. Light vacuum cleaning is possible, but be careful not to apply too much pressure on the screen and make sure to use a fitting with bristles that are neither too soft nor scratch the surface.

Dirty

A professional installer should preferably carry out this part. Use an ordinary window cleaner with ammonia or alcohol. Treat the entire image area and clean with a paint pad or lint-free cloth. Be careful only to apply very gentle pressure on the front side. Make sure the screen is completely dry afterwards.

Warning! Never use detergent solutions that will leave a film or layer on the surface. Also, never rub the screen hard and persistently to remove stains, as this could cause permanent damage to the screen surface.

Should these treatments prove inadequate, please contact your local dnp distributor or dnp denmark.

H Troubleshooting

The screen will not move:

<u>Check</u>	<u>Solution</u>
Is the power cord connected?	Plug into screen and wall socket.
Is screen already at fully open position?	Screen cannot move beyond 2.40:1 format position. Move inwards.
Is screen already at fully closed position?	Screen cannot move further inwards. Move outwards.
If RS-232 is used:	Contact installer.
A number of failures (i.e. screen overload) will automatically disable the controller.	1) Disconnect and re-connect power. 2) Follow section "E Powering up" of this manual.
Are IR remote batteries installed?	Install batteries.
Is there visible contact to infrared sensor?	Move any obstructions. The IR angle is limited. Move in front of the screen.
Still not working?	Install new batteries.
Still not working?	Contact place of purchase.

The screen stops in the wrong position:

<u>Check</u>	<u>Solution</u>
If RS-232 is used:	Contact installer.
The screen will not close fully	Disconnect/reconnect power to re-calibrate. Close curtains again by pressing [CLOSE]
One aspect ratio does not fit a projected image	All aspect ratios are factory calibrated. If one format does not fit all formats should not fit. Adjust projector
All aspect ratios do not fit the projected images	Disconnect/reconnect power to re-calibrate. Then press the button of the desired aspect ratio. Adjust projector.
Still not working?	Contact place of purchase.

Sales & delivery terms

- 1. SCOPE.** These sales and delivery terms apply to all quotations, orders, sales, and deliveries of mechanical products more specific Supernova Flex, Supernova Epic, and Supernova Mobile from dnp denmark as unless otherwise agreed in writing.
- 2. PRODUCT INFORMATION FROM DNP DENMARK A/S.** Information in advertising materials, folders, installation guidelines etc. on construction, materials, specifications, installation, and use of dnp denmark's products is subject to change without notice. Such information is binding on dnp denmark only if agreed in writing or confirmed by dnp denmark. dnp denmark reserves the right to make changes to agreed specifications, instructions on installation and mounting if this is possible without disadvantage to the customer.
- 3. PAYMENT.** Payment shall be made by the customer at latest on the due date fixed in dnp denmark's invoice. In case of late payment dnp may add interest on the sum owing at the rate of 2% per running month from the due date. Unless otherwise agreed in writing, all deliveries will be made when dnp denmark has received payment from the customer.
- 4. DELIVERY.** All deliveries from dnp denmark are ex works unless other terms of delivery are agreed in writing. If so, the terms of delivery shall be interpreted and understood in accordance with the Incoterms applicable as of the date of the agreement.
- 5. DELAY.** The delivery date is fixed in accordance with dnp denmark's best estimate based on the conditions applying as of the date of the agreement. Unless otherwise expressly agreed, a postponement by dnp denmark of 30 days of the delivery date attributable to circumstances relating to dnp denmark shall be deemed in all respects to be timely delivery, and the customer shall not be entitled to terminate the agreement or invoke any of the breach of contract provisions otherwise applicable as a consequence of the postponement.

If the order includes various products confirmed for delivery at the same time, dnp denmark shall be entitled to deliver the products which are ready for delivery at the agreed time and to postpone delivery of the other products included in the agreement against payment of freight costs associated with such delivery by dnp. In such event the customer shall not be entitled to cancel the agreement or to claim breach of contract as a consequence of the delay.

If dnp denmark is prevented from fulfilling the agreement or if fulfilment of the agreement would be unreasonably burdensome by reason of extraneous circumstances (force majeure) such as strike, fire, war, requisitioning of operating equipment, sequestration, currency restrictions, civil disturbance or unrest, or missing or delayed deliveries from subcontractors attributable to the above circumstances, the delivery time shall be postponed by the duration of the disturbance and none of the parties shall be entitled to claim against each other.

dnp denmark will advise the customer of changes to the delivery date without undue delay in accordance with the above provisions and as far as possible give a new delivery date.
- 6. DEFECTS AND DEFICIENCIES.** Immediately on receipt of the delivery the customer is required to examine the delivery in accordance with normal business practices.

If the customer wishes to claim a defect or deficiency, dnp denmark shall be advised immediately in writing. The customer shall otherwise forfeit any claim against dnp denmark.

dnp denmark may rectify the deficiency by replacement of product parts, repair or redelivery.

Freight costs in connection with return of the delivery to dnp denmark will be refunded to the customer if dnp denmark can accept that the delivery was defective.

If defects or deficiencies have not been claimed against dnp denmark within (24) months of the delivery, the customer shall not be entitled to make subsequent claim.

dnp denmark shall not be liable for defects and deficiencies attributable to circumstances outside of dnp's control or of no concern to dnp including

- Inadequate training of the customer's personnel
- Failure to observe dnp denmark's instructions
- Faults arising from normal use
- Damage arising during the purchaser's transport of the delivery.

7. WARRANTY. dnp denmark as warrants the product against defects in material and workmanship under normal use in accordance with dnp denmark's instructions on installation, use, maintenance, and repair etc. dnp denmark as will for a period of (1) year from date of invoice without extra cost for the customer make replacements, repair or redelivery of the parts with defects due to defective materials or workmanship. Replacement, repair, or redelivery is made by dnp denmark as at its option and the warranty hereof is valid for the remaining period of the original warranty period.

To obtain warranty service the product serial number or other identification according to the agreement may not be removed or defaced. Furthermore, this warranty does not apply to damages or defects caused by normal use, accidents, wear and tear, reckless use of the product, use of the product for other than intended purposes and/or use not complying with dnp denmark's instructions on correct use, maintenance, handling, or installation. Claims during the warranty period also require that the product is used according to the current local technical or security standards, and no unauthorised or non-approved accessories have been used, as well as any modifications and changes in the product regardless of the reason and regardless if the adjustment has been correctly made. Additionally warranty claims are conditioned by no use of unauthorised software or virus and the warrant does not apply to damage caused by force majeure among others fire, flood etc.

The warranty does only apply product defects in the above stated. The guarantee does not cover financial losses, direct or indirect losses or consequential damages.

8. PRODUCT LIABILITY. dnp denmark is liable for damage or injury to person only if documentary evidence can be provided that the damage is attributable to error or negligence on the part of dnp denmark. dnp denmark shall not be liable for damage to property or chattels belonging to the purchaser or others unless the damage is due to gross negligence on the part of dnp denmark. dnp denmark's liability may in no case exceed DKK five (5) million. dnp denmark can in no event be held liable for operating loss, loss of profit or any other indirect losses.

If product liability is ascribed to dnp denmark by third party, the customer shall indemnify dnp denmark to the limit of dnp denmark's liability under this provision.

9. LIMITATION OF LIABILITY. The customer may in no event claim compensation for operating loss, loss of profit or other indirect losses in cases of delays, defects or deficiencies, irrespective of whether the delay, defect or the deficiency may be attributable to dnp denmark.

The customer may only claim a proportionate rebate in the purchase sum or compensation for the customer's direct documented loss if the delay or the deficiency is attributable to gross negligence on the part of dnp denmark.

10. DISPUTES AND JURISDICTION. Unless otherwise agreed in writing, any dispute between the parties concerning the agreement shall be settled by arbitration in Copenhagen, Denmark, at the Danish Institute for Arbitration, *det Danske Voldgiftsinstitut*, in accordance with the rules for processing of cases at the General Arbitration Court in Denmark, "*Regler for behandling af sager ved Det Danske Voldgiftsinstitut*". Danish law shall apply.

J Service contact

Contact place of purchase

Date of purchase:

Where purchased:

US hotline: +1 (619) 600 2892

K Manufacturer information

Rev. 1.6

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