sgi™

Reality Center™
RC-3300W

OWNER'S MANUAL

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Due to constant research, the information in this manual is subject to change without notice.

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1

SAFETY INSTRUCTIONS

Safety Instructions

Notice on Safety

This equipment is built in accordance with the requirements of the international safety standards EN60950, UL 1950 and CSA C22.2 No.950, which are the safety standards of information technology equipment including electrical business equipment.

These safety standards impose important requirements on the use of safety critical components, materials and isolation, in order to protect the user or operator against risk of electric shock and energy hazard, and having access to live parts.
Safety standards also impose limits to the internal and external temperature rises, radiation levels, mechanical stability and strength, enclosure construction and protection against the risk of fire.

Simulated single fault condition testing ensures the safety of the equipment to the user even when the equipment's normal operation fails.

INSTALLATION INSTRUCTIONS

Before operating this equipment please read this manual thoroughly, and retain it for future reference.

Installation and preliminary adjustments should be performed by qualified BARCO/SGI personnel or by authorized service dealers.

OWNER'S RECORD

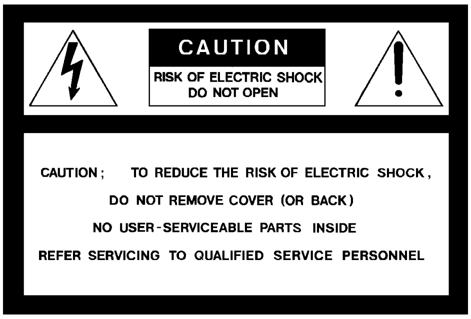
The part number and serial number are located at the back side of the projector. Record these numbers in the spaces provided below. Refer to them whenever you call upon your dealer regarding this product.

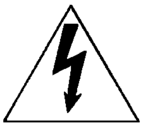
PART NUMBER :

SER. NUMBER :

DEALER :

Safety indication on the product


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION ; TO REDUCE THE RISK OF ELECTRIC SHOCK ,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with an arrowhead within a triangle is intended to tell the user that parts inside this product may cause a risk of electrical shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and/or servicing instructions are included in the technical documentation for this equipment.

Safety Warning

TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

FEDERAL COMMUNICATION COMMISSION (FCC STATEMENT)

This equipment has been tested and found to comply with the limits of 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.

Note :
The use of shielded cables is required to comply within the limits of Part 15 of FCC rules and EN55022.

* All the safety and operating instructions should be read before using this unit.

* The safety and operating instructions manual should be retained for future reference.

* All warnings on the equipment and in the documentation manuals should be adhered to.

* All instructions for operating and use of this equipment must be followed precisely.

On Safety

1. This product should be operated from an AC power source.

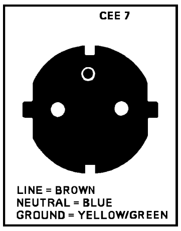
Operating AC power voltage of the projector:

Art. No. R9044000/010 (*230V AC*)
Art. No. R9044009/019 (*120V AC*)

Consult your dealer/vendor to switch over from 230Vac to 120 Vac or from 120Vac to 230 Vac.
If you are not sure of the type of AC power available, consult your dealer/vendor or local power company.

2. All equipment in the system is equipped with a 3-wire grounding plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.

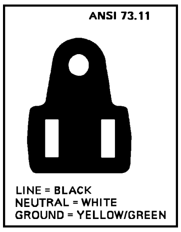
WARNING FOR THE CUSTOMERS: THIS APPARATUS MUST BE GROUNDED (EARTHED) via the supplied 3 conductor AC power cable. (If the supplied power cable is not the correct one, consult your dealer.)



A. Mains lead (Power cord) with CEE 7 plug:

The wires of the mains lead are colored in accordance with the following code.

Green and yellow:	earth (safety earth)
Blue:	neutral
Brown:	line (live)



B. Power cord with ANSI 73.11 plug:

The wires of the power cord are colored in accordance with the following code.

Green/yellow:	ground
White:	neutral
Black:	line (live)

3. Power ratings :
2-channel system : 14 A/120V, 10A/230V
3-channel system : 21 A/120V, 15A/230V

3. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
To disconnect the cord, pull it out by the plug. Never pull the cord itself.

4. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord does not exceed the extension cord ampere rating.

5. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock.

   Never spill liquid of any kind on the product. Should any liquid or solid object fall into the cabinet, unplug the set and have it checked by qualified service personnel before resuming operations.

6. Lightning - For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the projector due to lightning and AC power-line surges.

Caution on Fire Hazard

Do not place flammable or combustible materials near projector !

These large screen projection products (systems) are designed and manufactured to meet the most stringent safety regulations. The inside projector radiates heat on its external surfaces and from ventilation ducts during normal operation, which is both normal and safe.
Exploding flammable or combustible materials into close proximity of this system could result in the spontaneous ignition of that material, resulting in a fire. For this reason, it is absolutely necessary to leave an "exclusion zone" around all external surfaces of the system whereby no flammable or combustible materials are present. The exclusion zone must be not less that 10 cm (4") for this system. Do not cover the system with any material while the projector is in operation.
Keep flammable and combustible materials away from the projector at all times. Install the system in a well ventilated area away from sources of ignition and out of direct sun light. Never expose the system to rain or excessive moisture. In the event of fire, use sand, CO_2, or dry powder fire extinguishers; never use water on anelectrical fire.
Always have service performed on this projector by authorized service personnel. Always insist on genuine BARCO/SGI replacement parts. Never use non-BARCO/SGI replacement parts as they may degrade the safety of this projector.

On installation

For a safe installation, refer to setup-requirements doc/installation doc.

On servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage potentials and risk of electric shock!

Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

1. When the power cord or plug is damaged or frayed.
2. If liquid has been spilled into the equipment.
3. If the product has been exposed to rain or water.
4. If the product does not operate normally when the operating instructions are followed.
   Note : Adjust only those controls that are covered by the operating instructions since improper adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
5. If the product has been dropped or the cabinet has been damaged.
6. If the product exhibits a distinct change in performance, indicating a need for service.

Replacement parts - When replacement parts are required, be sure the service technician has used original BARCO/SGI replacement parts or authorized replacement parts which have the same characteristics as the original part. Unauthorized substitutions may result in degraded performance and reliability, fire, electric shock or other hazards. Unauthorized substitutions may void warranty.

Safety check - Upon completion of any service or repairs to this projector, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

On cleaning

Screen care and cleaning :
Before starting with the whole screen, test first on a small part somewhere in the corner.

1. Brushing softly and lightly with a clean, soft bristled brush will remove any loose dirt or dust. Do not vacuum or use sharp instruments.

2. More subborn soil may be removed with a mild solution of clear detergent, such as Joy, and lukewarm water. Rub lightly with a cellulose sponge, working from the bottom of the screen up in sections. Rinse with clear water and blot with a clean, damp sponge to remove excess water. Cleaning should be done in the shade.

3. Never attempt to use solvents, commercial cleaners, chemicals or any abrasive type cleaners on the screen.

4. Spotting areas in the screen is not recommended, the areas around the spot could show up badly. Rather, if the screen has dust and dirt on it wash the entire screen as described in number 2 above and dry it like a beautiful black automobile finish. A large damp cellulose sponge or chamois, softly applied, will absorb rinse water and prevent water spotting or streaking.

5. When painting in the vicinity be sure to protect the screen as paint is impossible to remove.

6. Keep your screen clean and avoid getting any foreign materials on it. Cleaning or removing scratches, paint, ink, nicotine stains, etc., may prove to be difficult if not possible.

7. With reasonable care, you may expect many years of trouble-free use of your screen.

Unplug this product from the wall outlet before cleaning.
Use the cleaning set to clean.

1. To keep the cabinet looking brand-new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with mild detergent solution. Never use strong solvents, such as thinner or benzine, or abrasive cleaners, since these will damage the cabinet.
2. To ensure the highest optical performance and resolution, the projection lenses are specially treated with an anti-reflective coating, therefore, avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.

On repacking

Do not de-install or pack without the assistance of trained BARCO/SGI personnel.

On illumination

In order to obtain the best quality for the projected image, it is essential that the ambient light which is allowed to fall on the screen be kept to an absolute minimum.

When installing the system, care must be taken to avoid exposure to ambient light directly on the screen. Avoid adverse illumination on the screen from direct sunlight or fluorescent lighting fixtures.
The use of controlled ambient lighting, such as incandescent spot light or a dimmer, is recommended for proper room illumination. Where possible, care should also be taken to ensure that the floors and walls of the room in which the projector is to be installed are non-reflecting, dark surfaces. Brighter surfaces will tend to reflect and diffuse the ambient light and hence reduce the contrast of the projected image on the screen.

2

SPECIFICATIONS

Features

General

- High resolution, free standing Reality Center™ Display.
- Suitable for conference room, office, public space, trade show, laboratory
- Available in two-channel and three-channel versions
- High quality hard screen
- Components fits through a standard single doorway and can be assembled in one day.

Image

Screen Size

Two-channel : 8.7' x 3.9' (2666mm x 1185mm)
Three-channel : 12.6' x 3.9' (3851mm x 1185mm)

Projection System

2 x dedicated BarcoGraphics 808s high performance graphics projector for 2-channel system.
3 x dedicated BarcoGraphics 808s high performance graphics projector for 3-channel system.

Resolution

From VHS video up to 1600x1200 @ 60 Hz per channel.

Frequency

Horizontal autolock scan frequency range of 15-110 kHz; min. horizontal retrace 2.7µs
Verical autolock scan frequency of 37-200 Hz
RGB bandwidth of 120 MHz (-3 dB)

Light Output

System specifications
27 ANSI Nit

Projector specifications
1250 ANSI lumens (10% peak white)

Economy mode	180 lumens
Normal mode	210 lumens
Boost mode	250 lumens

Physical and Electrical

Footprint

Two-channel : 9.3' wide x 7.5' tall x 5.3' deep (2842mm x 2294mm x 1621mm)
Three-channel : 13.2' wide x 7.5' tall x 5.3' deep (4027mm x 2294mm x 1621mm)

Input Voltage

For each channel :
120/230V
7/5A
50/60 Hz

Power Consumption

Two-channel : 2000W
Three-channel : 3000W

Noise Level

To be determinated.

Net Weight

Two-channel : 411 kg (927 lb)
Three-channel : 520 kg (1398 lb)

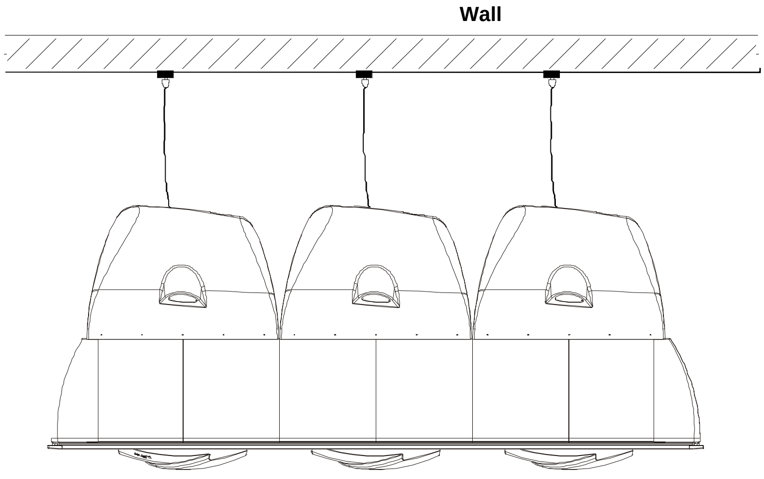
3 POWER CONNECTION

Power Connection to Projector

AC Power (mains) cord connection

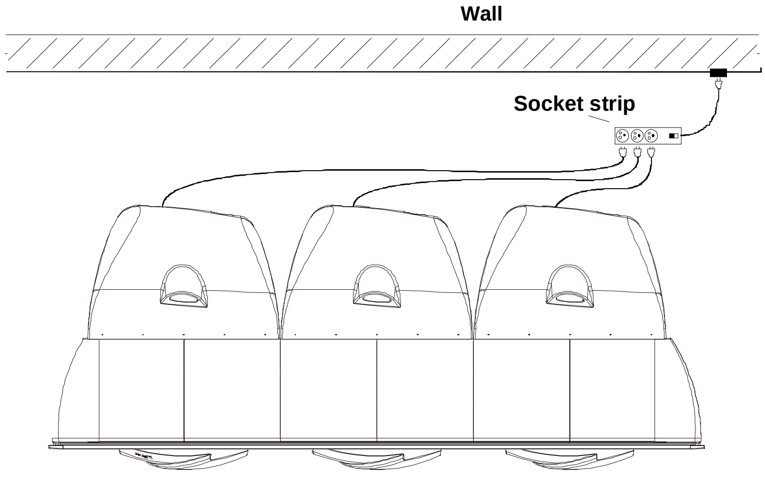
Use the supplied power cord to connect your projector to the wall outlet. The female power connector of the power cord is already plugged in into the male connector at the rear side of the projector.
Connect the system in one of the following ways to the wall outlet.

Every projector separately.



Every channel needs 7A/120V, 5A/230V. Insure that your internal power system can support these power requirements.

Using a socket strip with power breaker



Warning Socket strip :
Use a socket strip that can support the necessary current for the complete system.

Every projector needs 7A/120V, 5A/230V. Insure that the cable from the socket strip to the wall outlet supports the necessary current and that your internal power system can support these power requirements too.

Power Check

Power Voltage indication

Power voltage indication on sticker on the back side of the display.
The power voltage is indicated by the art. no. on the label.
Art. No. R9044000, R9044010 must be connected to a 230 Vac power source.
Art. No. R9044009, R9044019 must be connected to a 120 Vac power source.

If the wall outlet voltage is different, call a qualified service technician for power adaptation of the projector.

Power Check Warning

Check if the indicated power voltage corresponds to that of the wall outlet.

Switching on/off

The projector ON/OFF switch is always in the ON position and not reachable for the customer.

If you want to switch off the system completely, plug the power cords into a socket strip with power breaker.

The projector can start now in the 'operational mode' (image displayed) or in the 'stand by mode', depending on the software setup. (see chapter 'Getting Started', Operating the Projector).

4

GETTING STARTED

Remote Control & Local Keypad

Battery Installation in the Remote Control Unit (RCU)

Two batteries are packed together with the RCU. Before using your RCU, install first these batteries.

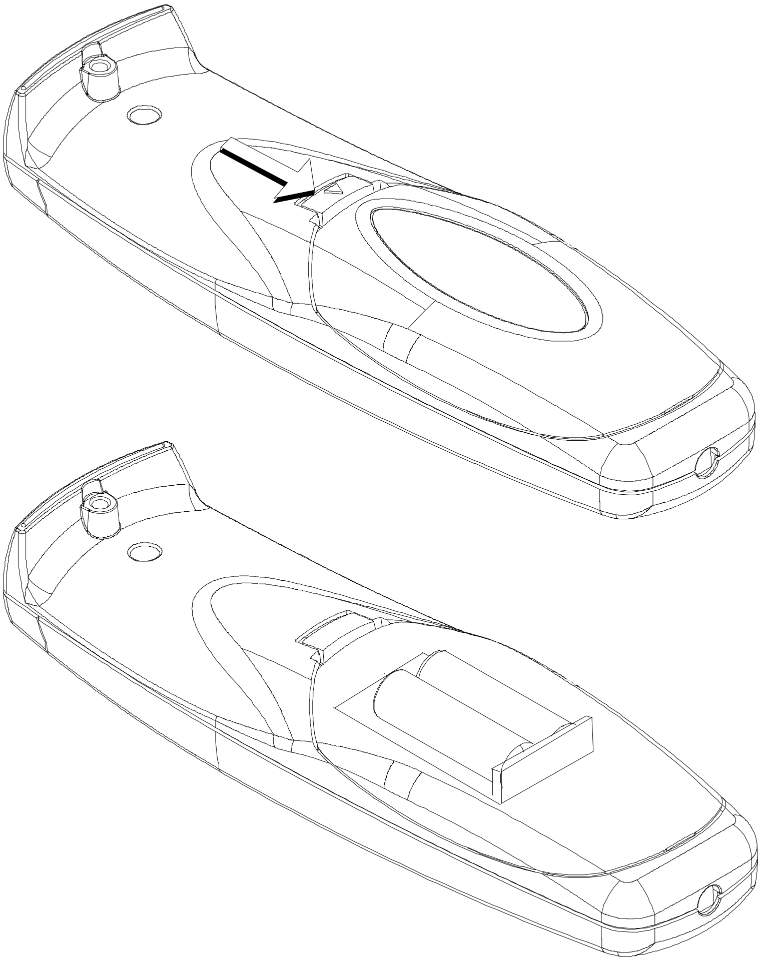
1 Remove the battery cover on the backside by pushing the handle a little towards the bottom of the RCU.
2 Lift up the top side of the cover at the same time.
3 Insert the batteries as indicated in the RCU.
4 Put the battery cover on its place.

How to replace the batteries in the RCU ?

To replace the batteries :

1 Remove the battery cover on the backside by pushing the handle a little towards the bottom of the RCU.
2 Lift up the top side of the cover at the same time.
3 Push on the + side of the battery towards the - side
4 Lift up the battery at the same time.
5 Repeat for the second battery.
6 Insert the batteries as indicated in the RCU (battery type AA or LR6 or equivalent).
7 Put the battery cover on its place.

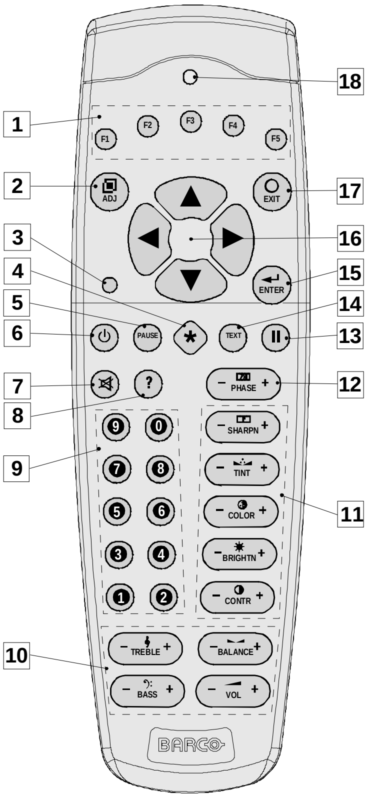
Note, only important if more than one projector is installed in the room :
1. the default address is zero (0). If it is necessary to program the projector address into the RCU, see 'Projector Address'.
2. projector address has to be reprogrammed everytime the battery is changed, the RCU will always switch to the default address.

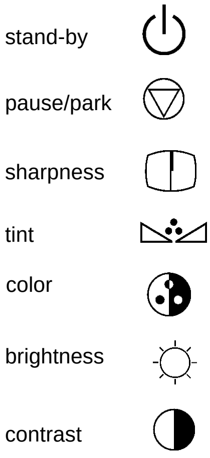


Overview of Functions

This remote control includes a battery powered infrared (IR) transmitter that allows the user to control the projector remotely.
This remote control is used for source selection, control, adaptation and set-up. It includes automatic storing of :
- picture controls (Brightness, Sharpness,....)
- settings

Other functions on the control units are:
- switching between standby and operational modes
- switching to "pause" (blanked picture, full power for immediate restarting)
- direct access to all connected sources
- variable adjustment speed : when pushing continuously on the arrow keys or the picture keys, the adjustment will be executed in an accelerated fashion.


18
1
F1
F2
F3
F4
F5
2
ADJ
EXIT
17
3
16
4
15
ENTER
5
14
6
PAUSE
TEXT
13
7
?
PHASE
12
8
9
0
SHARPN
9
7
8
TINT
11
5
6
COLOR
3
4
BRIGHTN
1
2
CONTR
10
TREBLE
BALANCE
BASS
VOL
BARCO


stand-by
pause/park
sharpness
tint
color
brightness
contrast

1 **Function keys :** only active if switching option installed, to be activated through switching software.

2 **ADJ.** : ADJUST key, to enter or exit the adjustment mode.

3 **A**ddress key (recessed key), to enter the address of the projector (between 0 and 9). Press the recessed address key with a pencil, followed by pressing one digit button between 0 and 9.

4 **Selection key** : no function for this projector

5 **PAUSE** : to stop projection for a short time, press 'PAUSE'. The image disappears but full power is retained for immediate restarting. The system remain fully operational, only the image is blanked.

6 **STBY** : stand-by button, to start projector when the power switch is switched on and to switch off the projector without switching off the power switch.

7 **Mute :** only active if speaker option is installed.

8 **Help :** on line help information (not yet available)

9 **Digit buttons** : direct input selection.

10 **Audio controls** : only active if speaker option is installed.

11 **Picture controls** : use these buttons to obtain the desired picture analog level.

12 **PHASE** : no function.

13 **FREEZE** : not applicable (only with internal limo)

14 **TEXT** : when adjusting one of the image controls, e.g. contrast, during a meeting, the displayed bar scale can be removed by pressing 'TEXT' key first. To re-display the bar scale on the screen, press 'TEXT' key again.

15 **ENTER** : to start up the adjustment mode or to confirm an adjustment or selection in the adjustment mode.

16 **Cursor Keys** : to make menu selections when in the adjustment mode or to increase or decrease the analog level of the image controls when they are first selected.

17 **EXIT** : to leave the adjustment mode or to scroll upwards when in the adjustment mode.

18 **RCU operating indication** : lights up when a button on the remote control is pressed. (This is a visual indicator to check the operation of the remote control)

Operating the Projector

Switching on

If power is connected to the system, the system is automatically in stand by mode (default setting for the system).
Stand by is a mode where the projectors inside the system are not running. Is a cold start.

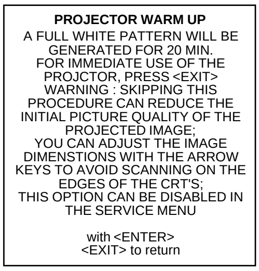
To switch on, press the stand by button on the RCU or select a source with the digit keys on the RCU. The projector goes to operational mode.

If no power is connected to the system, power is interrupted by a power breaker or the power cord is unplugged, the projector can start up as follow when power is connected to the system :
Connect power to the projector.
Depending on the position of a DIP switch inside the projectors, these projectors can start up in stand by mode or in operational mode.
This DIP switch is factory set to stand by mode. To change this position, contact a qualified service technician.
Operational mode : the projector starts up with the last selected source, image is inmediately displayed.

Going to Operational Mode

When the projector is started by pushing the stand by key or by selecting a source number.
The projector can start up with the selected source or
the projector can start up with a warm up cycle message (menu 1).

When this warm up cycle message appears on the screen, the menu offers the possiblity to start with this 20 minutes taking warm up periode (press ENTER) or to skip this cycle (press EXIT).



PROJECTOR WARM UP
A FULL WHITE PATTERN WILL BE
GENERATED FOR 20 MIN.
FOR IMMEDIATE USE OF THE
PROJCTOR, PRESS <EXIT>
WARNING : SKIPPING THIS
PROCEDURE CAN REDUCE THE
INITIAL PICTURE QUALITY OF THE
PROJECTED IMAGE;
YOU CAN ADJUST THE IMAGE
DIMENSTIONS WITH THE ARROW
KEYS TO AVOID SCANNING ON THE
EDGES OF THE CRT'S;
THIS OPTION CAN BE DISABLED IN
THE SERVICE MENU

with <ENTER>
<EXIT> to return

menu 1

Note : This warm up periode is built in so that the projector can reach its maximum specifications and minimize all distortions.

When starting this warm up period, a full white image is shifted on the CRT faceplate to avoid a burn in. Every 30 seconds a text box will be displayed on another place on the screen with the remaining time to go.
To interrupt the warm up period, handle as follow :
1 Press EXIT, the warm up menu will be redisplayed with the remaining time indication.
2 Press EXIT again to quit the warm up cycle and to display the source.

Turning off

To turn off the system, press Stand by key.
Power remains connected to the system but the projectors inside or not running.

To complete interrupt the power, use a socket strip with power breaker or unplug from the wall outlet.

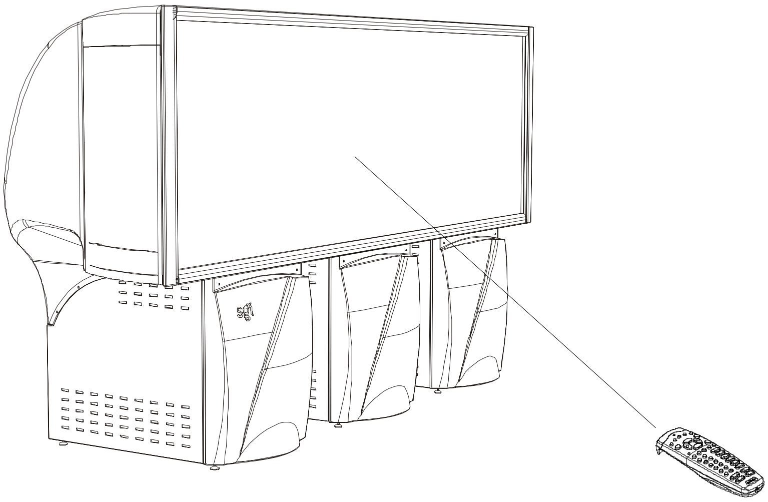
Stationary Image Warning

⚠ Do not display a stationary image with full brightness and contrast for longer than 20 min., otherwise you risk damage to the CRT's.

RCU Commands to the Projector

Pointing the RCU to the reflective screen

Point the front of the RCU to the screen surface.

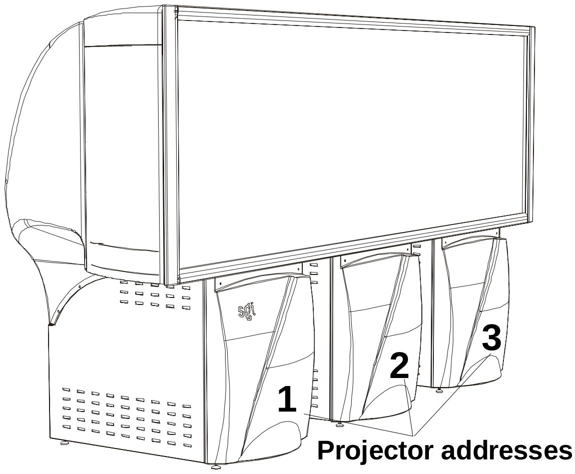


Projector address

Why a projector address ?

If one system is installed in a room, the separate projectors should be separately addressable with a RCU or a computer (for installation and service possibilities). So each projector has its own address. For source selection it is not important which address is installed. E.g. for a 3 channel system the default address are 1, 2 and 3. If the RCU is programmed with one of these addresses, the operator can control the complete system.

If two systems are installed in the same room, the separate projectors should have separate addresses. E.g. system one, address 1, 2 and 3, and system two, addresses 4, 5 and 6. If the RCU is programmed with an address of the first set, only system one can be controlled by the operator. If the RCU is programmed with an address of the second set, only system two can be controlled by the operator.



Set up an Individual Projector Address

The set up of a projector address has to be done via DIP switches on the controller module.
Call a qualified technician to change the projector address.
Every projector requires an individual address between 0 and 255 which is set the installation set up. Only projectors with addresses between 0 and 9 can be controlled with the RCU.

How to control the projector or projectors ?

The projector's address may be set to any value between 0 and 255 which can be set by DIP switches (refer to a qualified service technician).
When the address is set, the projector can be controlled now with:

- the RCU for addresses between 0 and 9.
- the Computer, e.g. IBM PC (or compatible), Apple MAC, etc. for addresses between 0 and 255.

Note : A projector will respond to a RCU set to the common address ('0' or '1') regardless of what address is set in the projector itself.

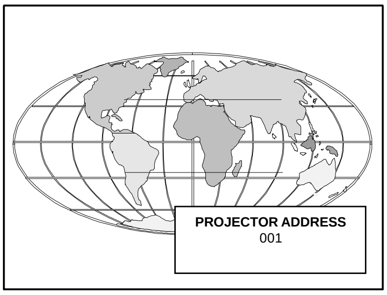
Before using the RCU

The RCU is default programmed with address 0 or 1, 'common address'. With that 'common address' programmed into the RCU, every projector, without exception will listen to the commands given by this RCU. If it is necessary to control a specific projector, than enter the projector address into the RCU (only when that address is between 0 and 9). The projector with the corresponding address will listen to that specific RCU.

Display the Projector Address on the Screen.

Press the **ADDRESS** key (recessed key on the RCU) with a pencil. The projector's address will be displayed in a 'Text box' (menu 1). This text box disappears after a few seconds.

To continue using the RCU with that specific address, it is necessary to enter the same address with the digit buttons (address between 0 and 9) within 5 seconds after pushing the address key. For example : if the Address key displays projector address 003, then press "3" digit button on the RCU to set the RCU's address to match the projector's address. Do not press 003 digits. This will address the remote control to '0' and control all projectors in the room.
If the address is not entered within 5 seconds, the RCU returns to its default address (zero address) and control all projectors in the room.



PROJECTOR ADDRESS
001

How to program an address into the RCU?

Press the **ADDRESS** key (recessed key on the RCU) with a pencil and enter the address with the digit buttons within 5 seconds after pushing the address key. That address can be any digit between 0 and 9.

Controlling the System

Input selection modes for the RC-3300W™

For a system without swithing option.

Use source number 4, RGB source with sync on green.

For a system with swithing option.

Source numbers 1, 2 and 3 are available.

Source 1 : ONYX connection
Source 2 : VSE source selector
Source 3 : PC

Input Selection via the RCU.

With the digit buttons, it is possible to select the above input mode.

When the source is selected

When a valid and available source is selected, there will be information displayed on the screen about that source. This information includes :

- Source number
- Horizontal frequency
- Vertical frequency

Source 02
Fh= 15.6 kHz
Fv= 50 Hz

When the entry is a non valid source number, the projector remains on its original source.
When a valid source number is selected, the projector will display this source or it will wait on the selected source number until the source becomes available. A message 'source not available' will be displayed for a short time.

WARNING
source not
available

Picture controls

The control keys are located on the right side of the key panel of the RCU and indicated with the name of the control and an icon. When an image control is pressed, a text box with bar scale and the function name of the control, e.g. 'brightness...' appears on the screen (only if text is ON). The length of the bar scale indicates the current memorized setting for this source. The bar scale changes as the + or - side of the button of the control are pressed.

Brightness Control

A correct *'brightness'* setting is important for good image reproduction. Adjust the brightness with the + button and - button until the darkest parts of the picture appear black.
A bar scale gives a visual indication on the screen of the current brightness setting while pressing on the above indicated buttons. If the bar scale is not visible on the screen, press '**TEXT**' once and retry the above indicated buttons.
The bar scale increases when pressing on the + button (higher brightness) and decreases when pressing on the - button (lower brightness).

Contrast Control

A correct 'contrast' setting is important for good image reproduction.
Adjust the contrast to the level you prefer, according to room lighting conditions.
A bar scale gives a visual indication on the screen of the current contrast setting while pressing the + or - buttons . If the bar scale is not visible on the screen, press '**TEXT**' key once and retry the above indicated buttons.
The bar scale increases when pressing on the + button (higher contrast) and decreases when pressing on the - button (lower contrast).

Sound controls

Only active when the speakers option is installed.
The control keys are located on the bottom side of the key panel of the RCU and indicated with the name of the control and an icon. When an image control is pressed, a text box with bar scale and the function name of the control, e.g. 'volume...' appears on the screen (only if text is ON). The length of the bar scale indicates the current memorized setting for this source. The bar scale changes as the + or - side of the button of the control are pressed.

Volume Control

A bar scale gives a visual indication on the screen of the current volume setting while pressing on the above indicated buttons. If the bar scale is not visible on the screen, press '**TEXT**' once and retry the above indicated buttons.
The bar scale increases when pressing on the + button (higher sound level) and decreases when pressing on the - button (lower sound level).

Bass Control

A bar scale gives a visual indication on the screen of the current bass setting (low tones) while pressing on the above indicated buttons (between -12 dB and + 15 dB). If the bar scale is not visible on the screen, press '**TEXT**' once and retry the above indicated buttons. The bar scale increases when pressing on the + button (higher bass reproduction) and decreases when pressing on the - button (lower bass reproduction). When on -12 dB, the low tones are maximum suppressed. When on + 15db, the low tones are maximum amplified.

Treble Control

A bar scale gives a visual indication on the screen of the current treble setting (high tones) while pressing on the above indicated buttons (between -12 dB and + 12 dB). If the bar scale is not visible on the screen, press '**TEXT**' once and retry the above indicated buttons. The bar scale increases when pressing on the + button (higher treble reproduction) and decreases when pressing on the - button (lower treble reproduction). When on -12 dB, the high tones are maximum suppressed. When on + 12db, the high tones are maximum amplified.

Balance Control

A bar scale gives a visual indication on the screen of the current Balance setting while pressing on the above indicated buttons. If the bar scale is not visible on the screen, press '**TEXT**' once and retry the above indicated buttons.
The bar scale increases when pressing on the + button (higher sound reproduction on the rigth loudspeaker than the left one) and decreases when pressing on the - button (higher sound reproduction on the left loudspeaker than the right one). When on -12 dB, the high tones are maximum suppressed. When on + 12db, the high tones are maximum amplified.

The Pause key.

When the Pause key is pressed, the image projection is stopped but the projector remains with full power for immediate restart.

To restart the image :
1 Press the Pause key,
2 Select a source number.

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EXECUTIVE REMOTE CONTROL

Executive Remote Control

Battery Installation

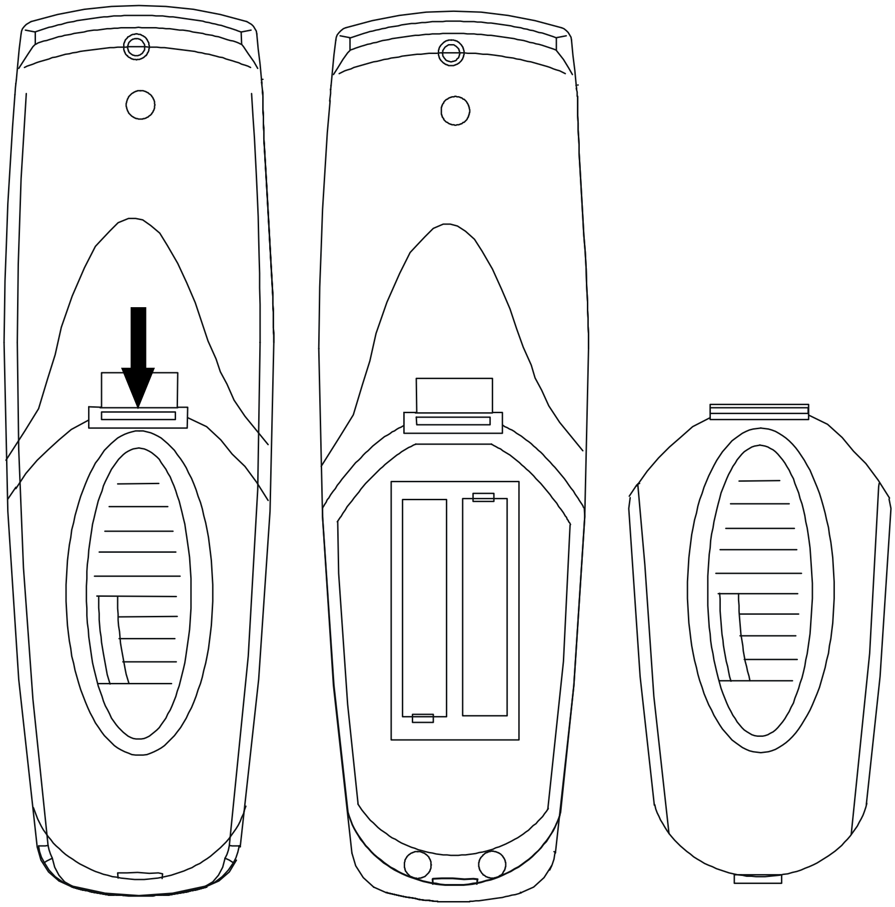
Two batteries are packed together with the RCU. Before using your RCU, install first these batteries.

1 Remove the battery cover on the backside by pushing the handle a little towards the bottom of the RCU.
2 Lift up the top side of the cover at the same time.
3 Insert the batteries as indicated in the RCU.
4 Put the battery cover on its place.

How to replace the batteries in the executive Remote Control Unit (RCU)

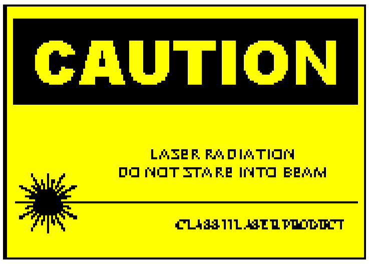
To replace the batteries :

1 Remove the battery cover on the backside by pushing the handle a little towards the bottom of the RCU.
2 Lift up the top side of the cover at the same time.
3 Push on the + side of the battery towards the - side
4 Lift up the battery at the same time.
5 Repeat for the second battery.
6 Insert the batteries as indicated in the RCU (battery type AA or LR6 or equivalent).
7 Put the battery cover on its place.



Caution !

Laser radiation. Do not stare into beam

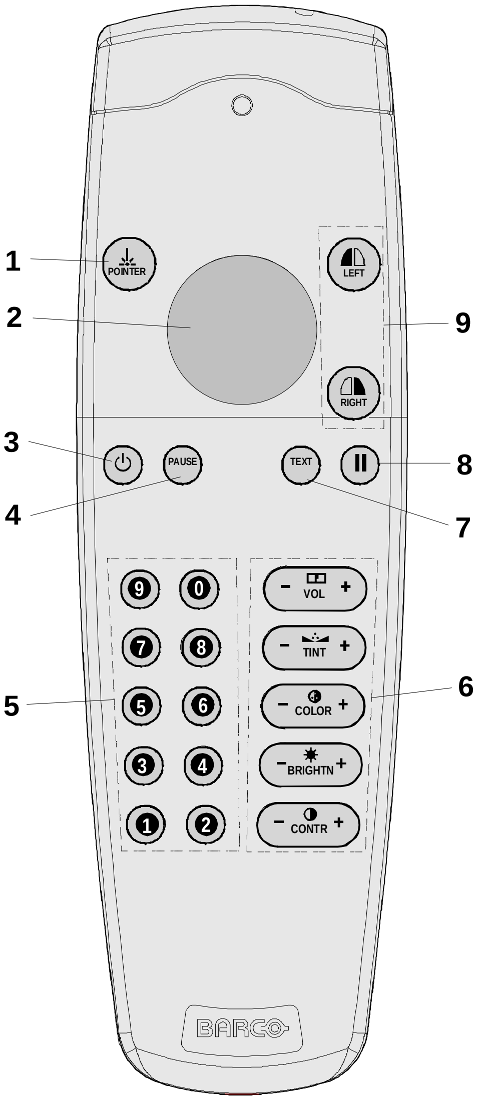

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS II LASER PRODUCT

Specifications

Power output < 1 mW
Wavelength : 630 - 650 nm
Class II Laser Product
This product is in compliant with 21 CFR. Chapter 1, Subchapter J

Functions

Only the pointer function is active for the RC-3300™ system.


1
2
3
4
5
6
7
8
9
POINTER
LEFT
RIGHT
PAUSE
TEXT
9
0
7
8
5
6
3
4
1
2
VOL
TINT
COLOR
BRIGHTN
CONTR
BARCO

1 **Pointer key :** to point the laser beam to the screen, push this buttom.

2 **Mouse :** no function

3 **STBY** : stand-by button, to start projector when the power switch is switched on and to switch off the projector without switching off the power switch.

4 **PAUSE** : to stop projection for a short time, press 'PAUSE'. The image disappears but full power is retained for immediate restarting.

5 **Digit buttons** : direct input selection.

6 **Analog controls** : can be used, but it is preferred to used the normal RCU.

7 **TEXT** : to switch the adjustment bar scale can ‘on’ or ‘off’.

8 **PHASE** : not used.

9 **Mouse buttons** : not used.

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MESSAGES, WARNINGS AND FAILURES

INPUT 01 Fh= 15.6 kHz Fv= 050 Hz	When selecting a new source, information about this source will be displayed on the screen. Source number, horizontal and vertical frequencies of the displayed source.
SOURCE 01	Announcement of the selected source.
enter password x x x x	Message to enter your password. Password contains 4 digits.
text on	These messages will be displayed on the screen when pushing the TEXT key. Text ON : the *'bar scale indication'* will be enabled during the change of an analog control in the *'operational mode'* + all warnings and failures will be displayed. Text OFF : the *'bar scale indication'* will be disabled during the change of an analog control in the *'operational mode'* + all warnings and failures will not be displayed.
text off	
PROJECTOR ADDRESS : 003	Indication of the projector address when activating the *'ADDRESS'* button on the RCU with a pencil or other small object.
WARNING : input not available	When using the projector with the RCVDS, this warning will be displayed when selecting an input slot of an RCVDS where the input board is missing.
WARNING : source not available	The input is a valid input but the source is not connected to the input terminals or the input source is switched off.
WARNING : invalid key entry	When a wrong key is pressed on the RCU.

WARNING : invalid code entry	Message when the entered password is wrong.
WARNING : end of adjust range	End of adjustment range.
WARNING : input no longer available	Message will be displayed when the input source is no longer available.
WARNING : input selector not available	It warns you to check the power connection or the power status of the RCVDS. Next message will appear immediatly on the screen : *'go to stand-by'*.
WARNING : invalid frequency input	The entered frequency or applied frequency of the source is out of the projector's range.
table is deleted	Message to inform that selected table is deleted. This message will be followed by *'confirm message'*, on which the user has to answer.
FAILURE I2C error addr. : 7FH3	Hardware failure. Call a qualified service technician for repair.
FAILURE short circuit on I2C bus	Hardware failure. Call a qualified service technician for repair.

FAILURE RCVDS communication error	Serial communication error between the RCVDS and the projector.

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TROUBLE SHOOTING GUIDE

What to do when the password is lost ?

The password DIP switch can be set to the off position. Call a qualified service technician.

A source is selected but now image appears on the screen ?

When a source input is selected and no source is available, the screen remains dark.
Reselect the desired source again an look what happens. If the screen remains dark, check your source connections and check if the source is switched on. If all this is ok, call a qualified service technician.

A source is selected and a white image is displayed.

The warm up cycle is swithed on. To interrupt this cycle, press EXIT. The remaining time will be displayed. Press EXIT again to quit the warm up cycle.

A button on the RCU is pressed, and nothing is happening.

The RCU address is not '0' or one of the addresses of the projectors inside the system. If only one system is installed in the room the individual addresses of the projectors will be 1, 2 and 3 (only 1 and 2 for a 2-channel system).
Enter address 0, 1, 2 or 3 (only 0, 1, 2 for a 2-channel system) into the RCU to continue using the RCU.