

ACCELERATING  
INTELLIGENCE

# GC85A Vision+



# ACCELERATING INTELLIGENCE

## GC85A Vision+

GC85A Vision+ is a premium ceiling digital radiography system providing an advanced low dose imaging experience and streamlined workflow allowing for patient centric care.

# 01

STREAMLINE  
WITHOUT COMPROMISE

# 02

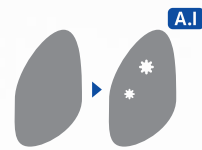
DIAGNOSTIC  
CONFIDENCE

# 03

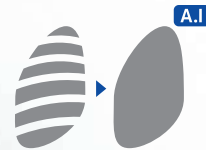
EXPAND  
PREMIUM EXPERIENCE



Low Dose



CXR Assist



Bone Suppression



GC85A Vision+ is a sub-configuration of GC85A with upgraded Vision Assist.



S-Vue™



Full Auto System



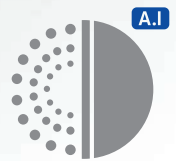
Vision Assist



AccE Glass-Free  
Detector



Soft Handling™



SimGrid™



Remote Software  
Update



# STREAMLINE WITHOUT COMPROMISE

## Fully automated system

GC85A Vision+ enables fully automated operation due to motion sensors positioned throughout the room, along with the tube head unit, motorized wall stand and patient table. Simply press the button and continue patient care.

### Auto-positioning

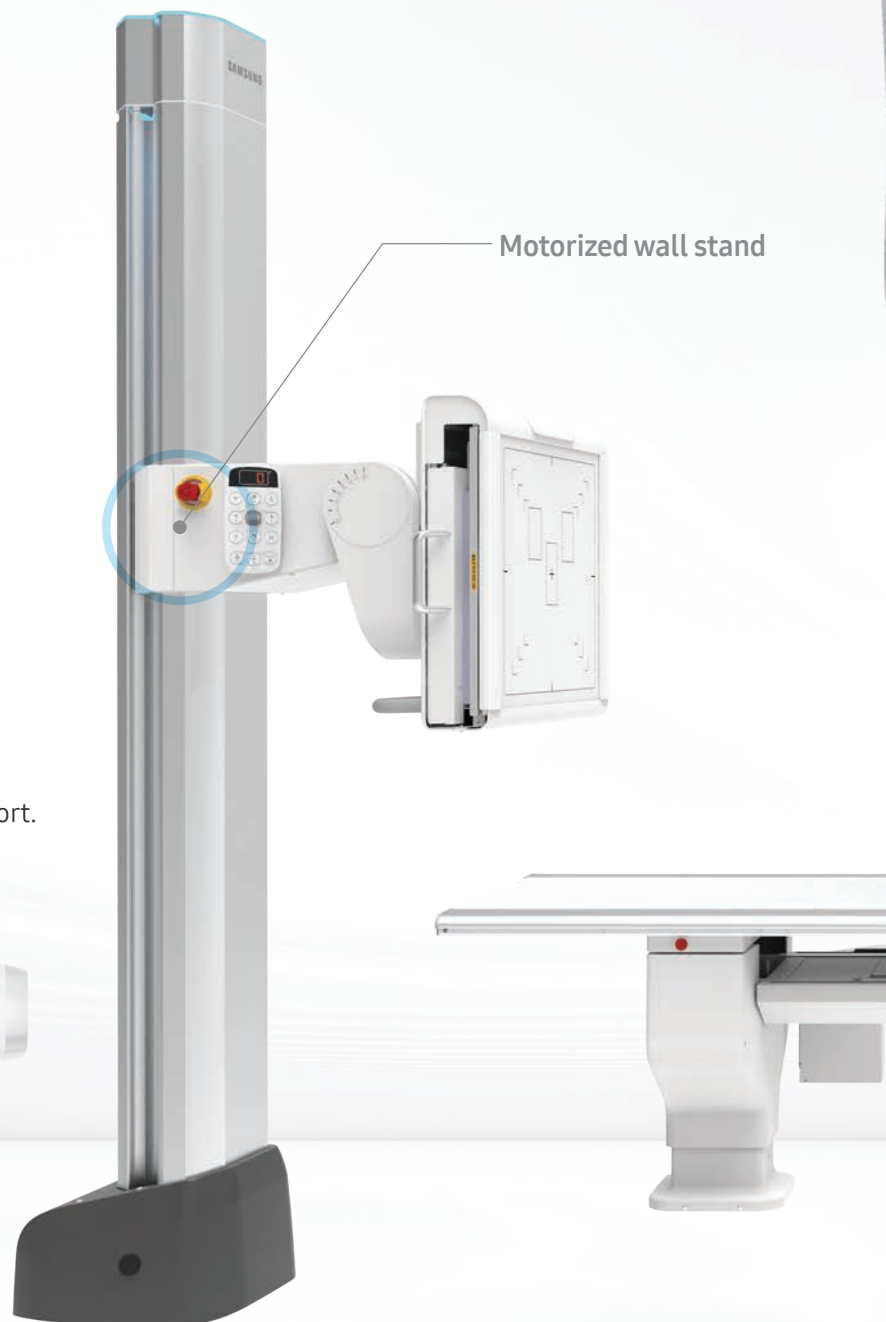
Auto-positioning moves the system using the 500+ pre-programmed positions. The most frequently used position can be controlled with a handheld wireless remote control.

### Auto-tracking

Auto-tracking synchronizes the movement of the tube and detector automatically to reduce repetitive workflows.

### Soft Handling™

Lightly move the tube head unit with a little effort.





## S-Align™

When using detectors for out-of-bucky exams, S-Align™ displays the detector's angle on the tube head unit for precise alignment. Also, when the tube head unit and the detector are within a certain radius, the angle can be automatically aligned, reducing repetitive workflow and saving exam time.



## SimGrid™\*

Software feature SimGrid™ streamlines the workflow by guaranteeing image quality without the use of a conventional grid. This allows the omission of grid installation and removal step from the conventional workflow leading to 28% reduction in total exam time.



The image was taken with GM85.

# STREAMLINE WITHOUT COMPROMISE



## Vision Assist

Upgrade

## Vision Assist\*

Samsung's latest camera solution, Vision Assist is focusing on new ways to increase the efficiency of DR imaging. Vision Assist allows continuous patient monitoring through Vision Live, which is a live camera in the tube head unit. It allows technologists to quickly and accurately manipulate the positioning from the control room. Experience agile and intelligent workflow with Vision Assist in GC85A Vision+.



The "Vision Live" option includes a camera screen, camera zoom functions and collimation control feature. The "Vision Auto" option includes virtual overlay, virtual collimation, motion alarm, patient size guide, intelligent collimation and portable auto centering.





Reduce retake errors  
in positioning

Save operation time  
in setting

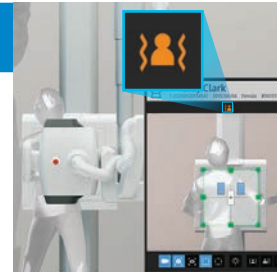


Support  
radiologists

## Motion Alarm\*

A.I.

Motion Alarm function notifies a radiographer when the patient moves after positioning. This helps avoid unnecessary exposure in the wrong positioning and to notify of falls or injuries.



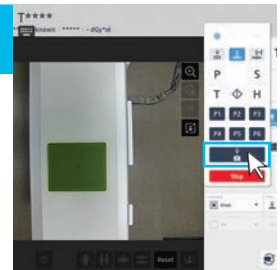
## Patient Size Guide\*

Vision Assist recommends patient size and optimal parameters based on the patient's body thickness to save time. It supports the guide for adult sizes from small to 2X-large and also allows users to set the size range.



## Portable Auto Centering\*

Using the Vision camera, Portable Auto Centering finds the detector on the table and positions the tube at the defined SID. This feature streamlines the setup process for portable exams, enhancing efficiency.

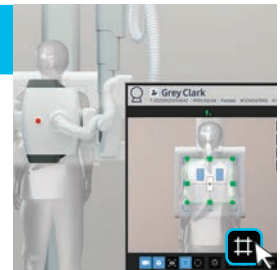


## Intelligent Collimation\*

A.I.

To speed up workflow, Intelligent Collimation provides optimal collimated area automatically. Users can get assistance with just one click, reducing control time.

25%  
Setting  
Time<sup>1</sup>



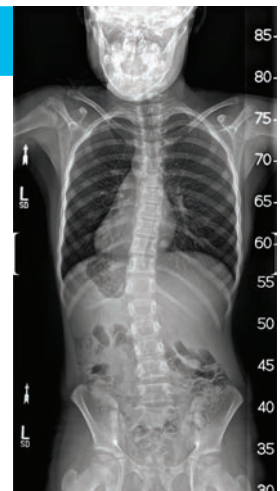
## Vision Stitching\*

A.I.



One-touch  
auto planning  
for stitching

84%  
Setting  
Time<sup>1</sup>



## Vision Capture\*

Vision Capture has the capability to acquire a picture of the patient during their X-ray exam. The image can be sent to the radiologist, aiding in understanding the exam and patient conditions.



1) Based on a study with technologists in a development environment. Comparison of average time between manual setting in the GC85A and automatic setting in the GC85A with Vision Assist.

# STREAMLINE WITHOUT COMPROMISE

**27 %**  
Lighter<sup>†</sup>



## Glass-Free Detector

The AccE Glass-Free Detector offers a more comfortable imaging experience. It is designed to relieve user fatigue by replacing a glass-based substrate with a lightweight, non-glass flexible panel. This glass-free technology not only makes it 27% lighter<sup>†</sup>, but also does not compromise the image quality with high DQE (76% @0lp/mm).

### Lightweight

F4335-AW approx. **4.5 lbs** (2 kg)<sup>‡</sup>

F4343-AW approx. **5.5 lbs** (2.5 kg)<sup>‡</sup>



IP57

### Reliable in Versatile Environment

Impressive weight capacity along with dust and water resistance enables the detector to be actively implemented in versatile environments. The robust design allows for the reduction in user concern when performing exams in an OR and ER setting.



**881 lbs**  
(400 kg)  
Surface load



**441 lbs**  
(200 kg)  
Point load<sup>1)</sup>

<sup>†</sup> Compared F4335-AW with S4335-AW without battery set

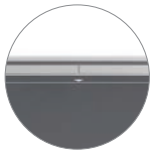
<sup>‡</sup> Measured without battery set

<sup>1)</sup> Based on 40 mm diameter disc at the center



## Enhance Your Daily Workflow

The user-centric design aids in efficiency and portability, alleviating daily burdens.



**CENTER ENGRAVING**  
to help position the patient



**REAR GRIP**  
to support transportation

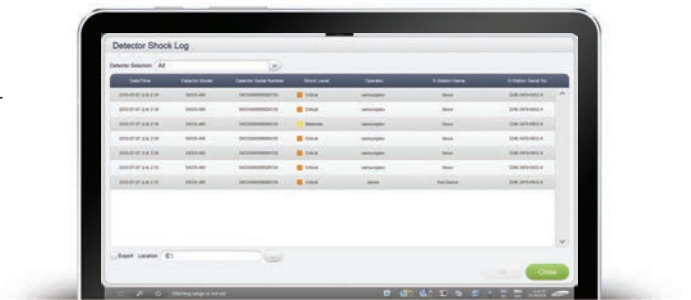


**SIDE CHAMFER**  
to ease your lifting



## Manage Your Detector Wisely

Continuous status tracking of the detector will enhance user confidence and improve the system's uptime. Features such as real-time shock sensing and detector auto correction will allow the detector to be in shape for use and help you respond quickly to critical detector shocks.



Real-time Shock Sensing

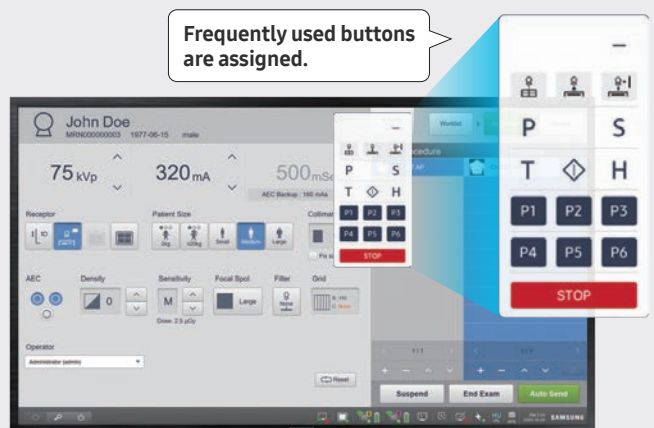
## Voice Guide\*

For radiologic technologists, it can be a burden to repeat the same comments to each patient, such as breath in/hold, do not move, etc. With hand switch or hotkey control (F1~F8), you can conveniently deliver pre-recorded comments and it also helps to alleviate language barriers with foreign-language speaking patients.



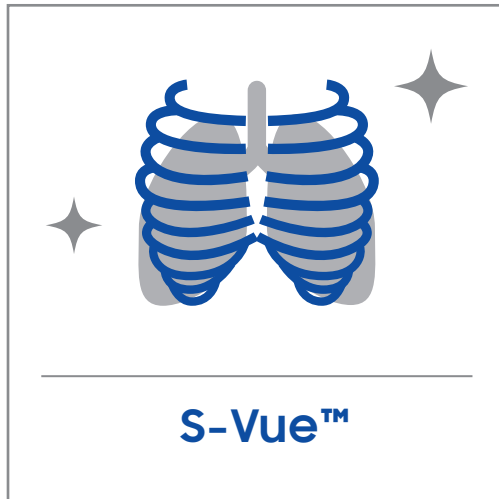
## Virtual Remote Controller\*

With an additional virtual controller, users can control the tube head unit or table through the screen in the control room. There is no need to spend time looking for a remote control, and it supports seamless workflow.



Frequently used buttons are assigned.

# DIAGNOSTIC CONFIDENCE



## S-Vue™

S-Vue™ provides excellent, high resolution images for diagnostic accuracy and confidence. The S-Vue™ imaging engine's adaptive filtering and processing technologies offer outstanding sharpness and readability. Also, dose level can be reduced up to 45% for pediatric abdomen, 15.5% for pediatric chest, and 27% for pediatric skull exams with the new S-Vue™ engine.<sup>1</sup>

Case 1. Chest AP (X-Large adult)



The image was taken with GM85.

Case 2. Abdomen



These images were taken with GC85A.

Case 3. L-spine



Case 4. Pelvis (Halo artifact)



The image was taken with GC85A.

The upgraded S-Vue™ displays areas with varying bone density clearly regardless of the patient's size or body region through advanced region-specialized processing.



# Low Dose in New S-Vue™

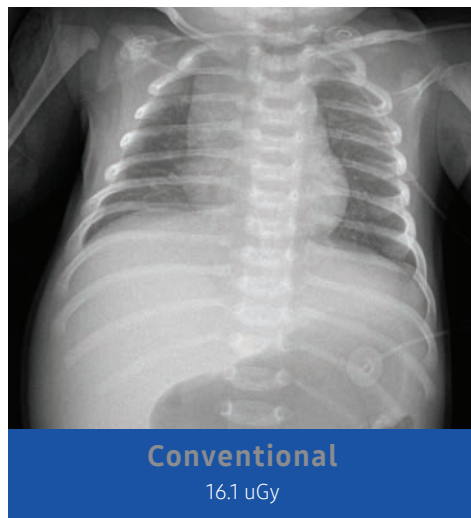
S-Vue™ not only provides excellence in image quality, but also secures better patient safety in radiography examinations. This can help change the patient's perspectives for X-ray radiation and improve patient satisfaction.



## Our Pledge for Low Dose

Samsung's Low Dose campaign is going to change your ordinary X-ray experience into our low dose imaging experience. Our commitment to lower dose will help you give more care to the ones you love. We will accompany with you as a lifetime partner in the right way.

### Case. Pediatric Chest PA<sup>1</sup>



( 54 kVp / 1.42 mAs / 0.06 dGy\*cm<sup>2</sup> / 0.1 mmCu Filter )

**15%**  
Dose Reduction



( 54 kVp / 1.21 mAs / 0.05 dGy\*cm<sup>2</sup> / 0.1 mmCu Filter )

Images were taken with GM85.

## Precise dose management features



Automatically optimized dose controls prevent excessive radiation exposure and provide precise dose control for patients.

- 6-stage Pediatric Exposure Management according to weight
- Bariatric Exposure Management\* (X-Large/2X-Large)
- Automatic filter with APR
- Individual Blade Control
- Dose Report
- AEC

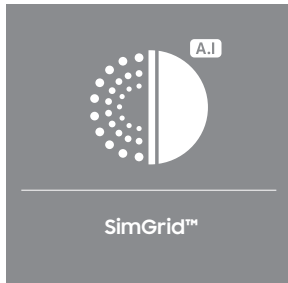
\* Optional feature requiring additional purchase



1) Note : The claim concerning Samsung DR is based on limited phantom and clinical study results. Only routine PA chest radiography and abdominal radiography for average adults and pediatric abdominal, chest, skull radiography were studied, excluding pediatric patients under 1 month old. (FDA cleared - K172229, K180543, K182183) In practice, the values of dose reduction may vary accordingly. These clinical images calculates the dose reduction rate from its own standard dose at the clinical site, unlike our FDA claim which compares dose between new IPE and old IPE. The clinical site is responsible for determining whether the particular radiographic imaging needs are not impacted by such x-ray dose reduction.



# DIAGNOSTIC CONFIDENCE



## SimGrid™\*

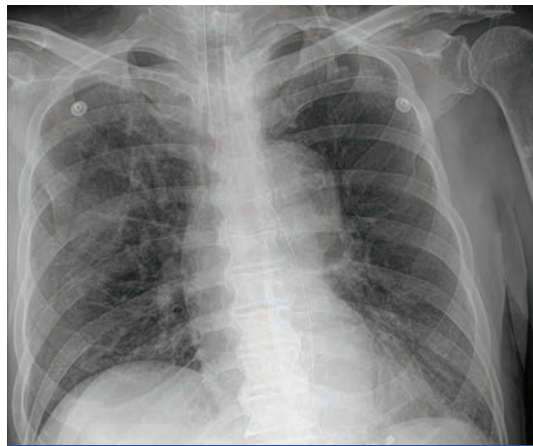
With just a click, SimGrid™ allows you to provide better patient care with higher satisfaction and reduced retake rates without the use of a portable grid. It improves image contrast by reducing scatter radiation effects and creates better image quality. The 3-step intensity control (Low/Medium/High) enables customized image processing.

**Case.** Chest AP

Images were taken with GM85.



Without Grid



With SimGrid™



## S-Enhance\*

To support your diagnosis, S-Enhance improves the clarity of foreign bodies (e.g. tube, line and/or needle) in images of chest, abdomen, and L-spine. With a single on-screen click, the companion image is created without additional settings or x-ray exposure, streamlining the workflow.

**Case.** Chest AP

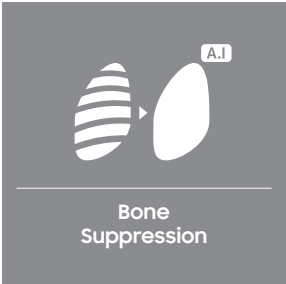
Images were taken with GM85.



Without S-Enhance



With S-Enhance



# Bone Suppression\*

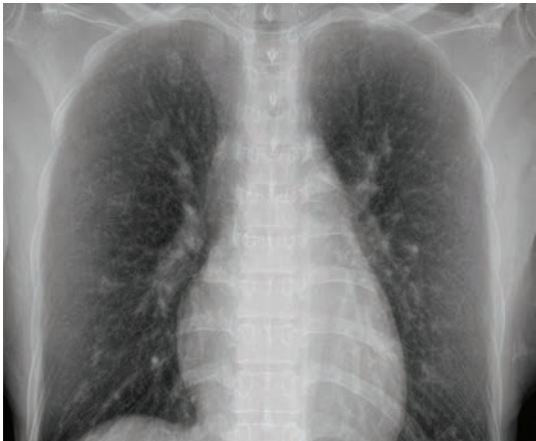
Without additional setting or exposure, Bone Suppression Imaging improves the clarity of soft tissues by suppressing the appearance of bones in chest images, which improves your ability to detect nodules. You can easily create the companion image with just a click on the screen.

Case. Chest PA

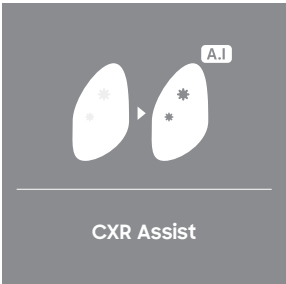
Images were taken with GC85A.



Without Bone Suppression



With Bone Suppression



# CXR Assist\*

CXR Assist with Lunit INSIGHT CXR Triage (FDA cleared - K211733) analyzes adult chest X-ray images for the presence of pre-specified suspected critical findings (Pleural effusion and or Pneumothorax). Seamlessly connected to the PACS workstation, this feature prioritizes exams for the radiologists. Enabling timely treatment for critical or urgent patients and improving overall efficiency.

| AI Results |     | ID        | Age | Time     |
|------------|-----|-----------|-----|----------|
| Pef        | Ptx |           |     |          |
| ●          |     | 18291CCEE | 18  | 10:50 AM |
|            | ●   | 23075CCEE | 63  | 12:15 PM |
|            |     | 29110CCEE | 26  | 10:12 AM |
|            |     | 31291CCEE | 33  | 10:21 AM |
|            |     | 11007CCEE | 43  | 10:36 AM |



## S-Station/PACS Worklist Prioritization

This PACS worklist is intended to help healthcare professionals understand the functions of this product. Please note that this worklist may differ from the actual product.



# EXPAND PREMIUM EXPERIENCE

## S-Share™

S-Share™ can dramatically increase efficiency through the use of AccE Glass-Free Detector and AccE Detector with various existing compatible equipment. It enables accelerating connection for better synergy with premium digital radiography systems, GC85A & GM85.



GC85A Vision+ is a sub-configuration of GC85A with upgraded Vision Assist.  
GM85 Elite is a sub-configuration of GM85.

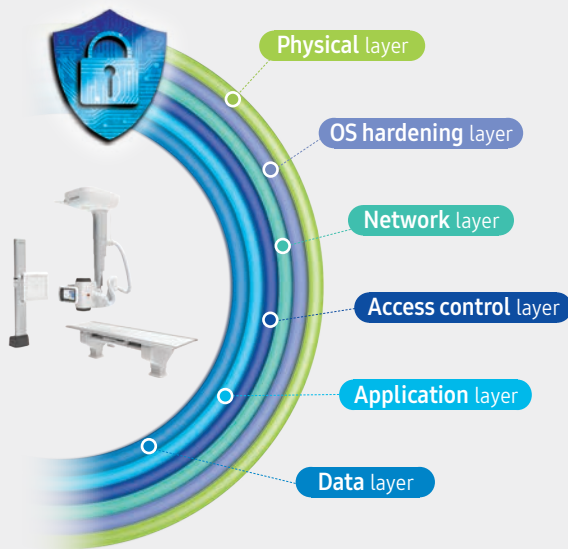
## QAP\* (Quality Assurance Program)

QAP assures consistent imaging performance in a precise and cost-effective way. It enables comprehensive system management by automatic periodic test measuring multiple parameters such as source performance, AEC accuracy, geometry accuracy, and detector performance with image quality.



\* Optional feature requiring additional purchase

# Samsung DR Cybersecurity



## Samsung's Defense-in-depth

- Designed holistic protection for your critical assets with multi-layered security controls: physical, operating system hardening, network, access control, application, and data layers

## World-class Management System

- Received independent certification including ISO/IEC27001, SO/IEC27701
- Comply with Risk Management Framework (RMF) according to NIST SP 800-53

## Government-grade Security

- Achieved government agency security including Authority to Operate (ATO) for the U.S. Department of Defense

## Shared Bucky™

Shared Bucky™ is designed for sharing two sizes of detectors in one bucky tray in the table.



## Value care service



### Remote Software Update

Keep the software up to date without service requests. The latest version of the software is notified for users to download and update.



### Remote Maintenance System

This RMS continuously monitors any system errors and automatically identifies the system and software version.



### 24/7 call center

Our customer support center operates 24 hours per day, 365 days a year to quickly respond to any questions or problems you may have.



### Service offering

Samsung provides tailored service and support programs to meet your unique requirements.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies.

The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](https://news.samsung.com).

GC85A Vision+ is a sub-configuration of GC85A with upgarded Vision Assist.



Scan code or visit  
[www.samsunghealthcare.com](https://www.samsunghealthcare.com)  
to learn more

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