

\*Variant Mx-S26B supports MOBOTIX MxBus modules, door station functionality available with camera software V5.2.x and higher, 2nd half of 2018)

## S26 Flex

Quick Install



32.839-004-EN\_06/2018

BeyondHumanVision

MOBOTIX

## S26 Standard Delivery



Standard Delivery		
Item	Count	Part Name
1.1	1	Camera housing (with base plate)
1.2	1	Lens B016 (installed)
1.3	1	Dome (installed)

Standard Delivery		
Item	Count	Part Name
1.4	1	Housing cover for S26 (installed)
1.5	3	Stainless steel Allen screw with flat head M4x8 mm (installed)
1.6	1	Sealing ring (installed)
1.7	1	Sealing plug blue, small (sensor modules, USB, mounted)
1.8	1	Sealing plug blue, large (Ethernet patch cable, mounted)
1.9	1	Cable lock with bayonet catch (Ethernet patch cable, mounted)
1.10	1	Eight-wire plug, white (Ethernet installation cable, microphone, speaker, MxBus wires for variant Mx-S26B)
1.11	1	MicroSD card pre-installed (SDXC)
1.12	1	Threaded plug for SD card, blue (mounted)
1.13	1	Ethernet patch cable, 50 cm/19.7 in with sealing

Mounting Supplies		
Item	Count	Part Name
M.1	4	Stainless steel washers dia. 4.3 mm
M.2	4	Dowels 6 mm
M.3	4	Stainless steel wood screws with hex head 4x40 mm
M.4	2	Cable plug 5 to 7 mm, white (Ethernet installation cable)
M.5	1	Cable plug 3 to 5 mm, white (Ethernet installation cable)
M.6	1	Allen wrench 2.5 mm
M.7	1	Lens wrench (lens, dome)
M.8	1	Module wrench (sensor module, glass cover/filter insert)
M.9	1	Cable tie (Ethernet installation cable, microphone, speaker, MxBus wires for variant Mx-S26B)
M.10	1	Screwdriver (terminals)

## Mounting the Camera

### 1. Installation Using the Base Plate

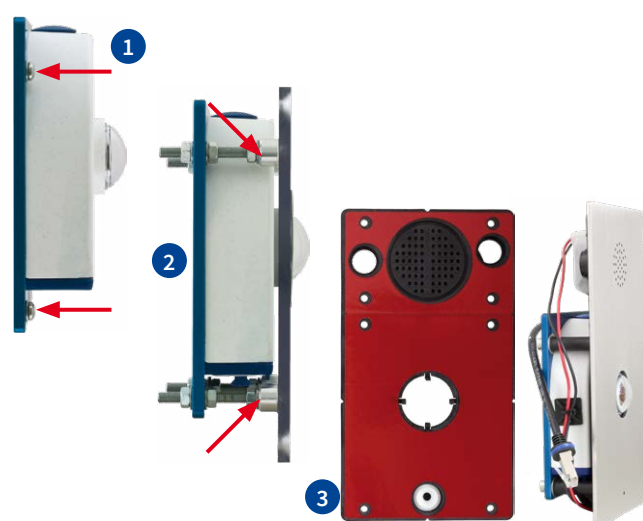
Attach the camera using the supplied or other screws by affixing the base plate to a suitable material **1** (see «Drilling Template» on page 2).

Note that you can also install the S26 behind faceplates of up to 6.4 mm/0.25 in thickness using stud bolts **2** (see «Drilling Template» on page 2).

### 2. Installation With AudioMount (Accessory)

Using the self-adhesive AudioMount **3**, you can install the Mx-S26B\* as a door station. This is explained in the product documentation «Quick Install AudioMount» (suitable drilling template is supplied).

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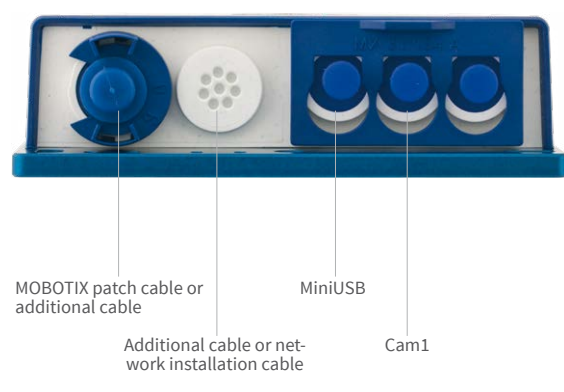
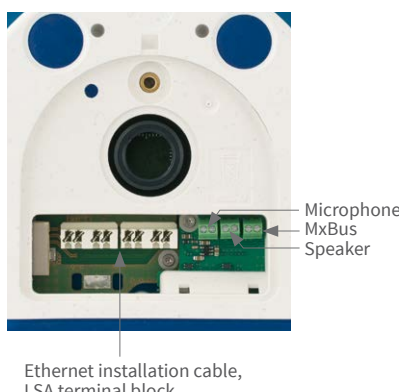
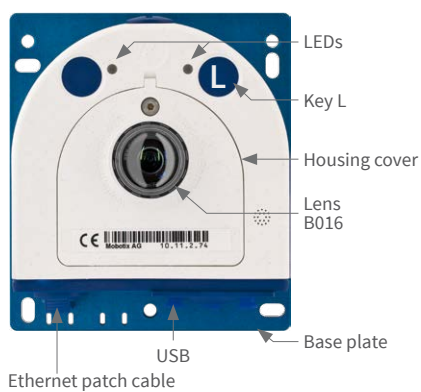
To configure the door station, please follow the procedure in the S15 Camera Manual for the S15M (PDF, available on [www.mobotix.com](http://www.mobotix.com) > Support > Download Center > Documentation > Manuals).

**Note on Variant Mx-S26A:** This variant does not support MxBus modules and cannot be used as a full-fledged door station. To implement an intercom solution based on an Mx-S26A, you can use the signal inputs and outputs of an MX-232-IO-Box connected to the camera via USB. In this case, the camera uses its standard mechanisms (e.g., events and network messages) to process the input signals (e.g., from a door bell) and to control the signal outputs (e.g., of a door opener). Please note that the auto configuration and other door station functions are not available in this case.

## Connections and Initial Operation of the S26

You can find detailed information on the installation and connections of the S26 in the S15 Camera Manual for the S15M (PDF, available on [www.mobotix.com](http://www.mobotix.com) > Support > Download Center > Documentation > Manuals).

Please note that the boot options of this camera have changed compared to its predecessor (see «Boot Options of the S26») and the camera only has one key ("L"). Regarding the rest of the initial operation of the S26, please see the S15 Camera Manual in Chapter 3, «Initial Operation». The first access follows the procedure described in the same manual in the section «Initial Operation of the Camera». All other tasks require access to the camera's user interface in the browser. Enter the camera's IP address into the address bar of the browser (user "admin", password "meinsm"; password must be changed upon first login – camera software V5.1.x and higher).



In special situations, you can attach an external sensor module to the S26. In this case, you need to attach the external sensor module to the "Cam1" connector of the camera; then follow the instructions for attaching sensor modules to the S16. After configuring the external sensor module, the integrated image sensor of the S26 will be deactivated.

## Inserting/Exchanging the SD Card

All camera models can use the integrated MicroSD card (SDHC) to record video data. In order to exchange the MicroSD card, please proceed as outlined in the following instruction. For information on reliable SD cards, please see the MOBOTIX website [www.mobotix.com](http://www.mobotix.com) > Support > Download Center > Documentation > White Lists in the document MicroSD Card Whitelist for MOBOTIX Cameras.

When replacing the SD card, make sure that recording has been deactivated in the browser (Admin Menu > Storage > Storage on External File Server / Flash Device; activate recording again in the same dialog).

### 1. Remove the SD card

Loosen the threaded plug at the top of the housing (using a suitable coin, for example) and remove the plug. Using tweezers, gently press the SD card into the slot (as indicated by the arrow) until you hear a **click**. The card is protruding slightly and can be easily removed with the tweezers.



### 2. Insert the SD card

Again using tweezers, insert the SD card as shown (contacts facing forward) into the card slot. Make sure that you hear a **click** again when pushing the card into the slot. The card is now locked and can be used. Insert the threaded plug again and tighten it using the coin.



## Boot Options of the S26

By default, the camera starts as DHCP client and automatically tries to get an IP address from a DHCP server. To start the camera in a mode different from the default mode, you can activate the boot menu of the camera.

### 1. Preparing the Camera

- Disconnect the camera's power supply.
- Reconnect the power supply of the camera.

### 2. Activating the Boot Menu

The red LED lights up 5 to 10 seconds after establishing the power supply and will stay on for 10 seconds. Briefly press the key L indicated by the red circle in the figure. The camera enters the boot menu, ready for selecting one of the boot options.



The LED now flashes once and repeats the flash signal after pausing for one second (the number of flashes indicates the current boot option). To go to the next boot option, briefly press the key again (< 1 sec). After the last boot option, the camera returns to the first option (LED flashes once).

LED Flashes	Boot Option	Meaning	Audio Confirmation*
1 x	Auto Configuration	Starts the auto configuration in order to operate this camera as a door station (variant Mx-S26B only, camera software V5.2.x and higher, 2nd half of 2018).	Phone ringing
2 x	Factory Defaults	Starts the camera with factory defaults (factory default IP address, users and passwords will not be reset).	Boing
3 x	Automatic IP Address	Starts the camera as DHCP client and tries to obtain an IP address from a DHCP server. If a DHCP server cannot be found or no IP address can be obtained, the camera starts with its factory default address.	Boing Boing
4 x	Recovery System	Starts the camera with the recovery system, e.g., in order to recover from a failed update of the camera software.	Alarm Sound

\*Only on cameras with audio option and installed speaker.

### 3. Selecting a Boot Option


Press the key longer (> 2 sec) into the hole. The camera confirms the selection by flashing rapidly three times. After 20 sec, the camera will confirm the selection by playing a sound according to the table above.


If nothing is selected, the camera will resume its normal boot process after a certain time.


## Important Notes


### Safety Warnings


#### Notes on Installing:


- This product must not be used in locations exposed to the dangers of explosion. 
- Make sure that you install this product as outlined in Chapter 2, «Installation» of the corresponding manual. A faulty installation can damage the camera!
- When installing this product, make sure that you are only using genuine MOBOTIX parts and MOBOTIX connection cables.
- Only install this product on suitable, solid materials that provide for a sturdy installation of the fixing elements used.


**Electrical installation:** Electrical systems and equipment may only be installed, modified and maintained by a qualified electrician or under the direction and supervision of a qualified electrician in accordance with the applicable electrical guidelines. Make sure to properly set up all electrical connections. 

**Electrical surges:** MOBOTIX cameras are protected against the effects of small electrical surges by numerous measures. These measures, however, cannot prevent the camera from being damaged when stronger electrical surges occur. Special care should be taken when installing the camera outside of buildings to ensure proper protection against **lightning**, since this also protects the building and the whole network infrastructure. 


**Max. power consumption of attached extension modules:** The power consumption of all attached **MxBus modules** must **not exceed 3 W**. When attaching modules to the MxBus connector and the USB socket, the **power consumption of all attached modules must not exceed 4 W, if the camera is powered by PoE class 3**. If **PoE class 2** is used, **the power consumption of all attached modules must not exceed 1 W!** 

**Never touch the lens:** Due to the high performance of the S26, the area of the image sensor **can get quite hot**, especially when the ambient temperature is also high. This does not affect the proper functioning of the camera in any way. For this reason, the product must not be installed within the reach of persons without dome. 


**Power off before opening the camera:** Make sure the power supply to the camera is disconnected before opening the camera housing (e.g., when exchanging the SD card or when opening the body to attach wires). 

**Network security:** MOBOTIX products include all of the necessary configuration options for operation in Ethernet networks in compliance with data protection laws. The operator is responsible for the data protection concept across the entire system. The basic settings required to prevent misuse can be configured in the software and are password-protected. This prevents unauthorized parties from accessing these settings. 


### Legal Notes

**Legal aspects of video and sound recording:** You must comply with all data protection regulations for video and sound monitoring when using MOBOTIX products. Depending on national laws and the installation location of the S26, the recording of video and sound data may be subject to special documentation or it may be prohibited. All users of MOBOTIX products are therefore required to familiarize themselves with all applicable regulations and to comply with these laws. MOBOTIX AG is not liable for any illegal use of its products. 

### Disposal

Electrical and electronic products contain many valuable materials. For this reason, we recommend that you dispose of MOBOTIX products at the end of their service life in accordance with all legal requirements and regulations (or deposit these products at a municipal collection center). MOBOTIX products must not be disposed of in household waste! If the product contains a battery, please dispose of the battery separately (the corresponding product manuals contain specific directions if the product contains a battery). 

### Disclaimer

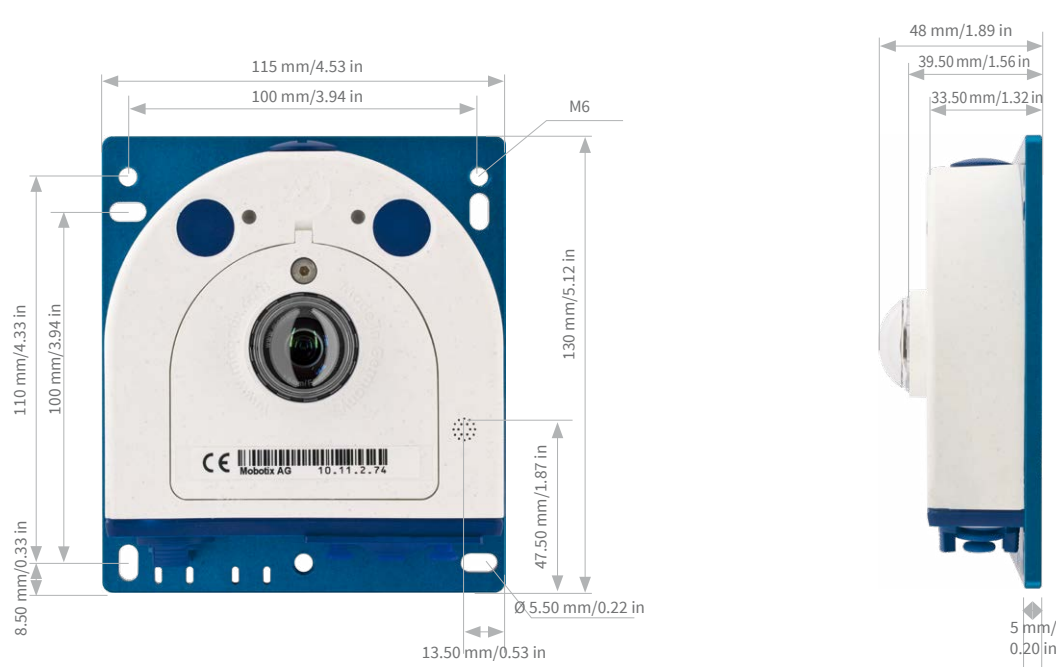
MOBOTIX AG does not assume any responsibility for damages, which are the result of improper use or failure to comply to the manuals or the applicable rules and regulations. Our **General Terms and Conditions** apply. You can download the current version of the General Terms and Conditions from our website at [www.mobotix.com](http://www.mobotix.com) by clicking on the **COS** link at the bottom of every page. 

## Technical Specifications S26

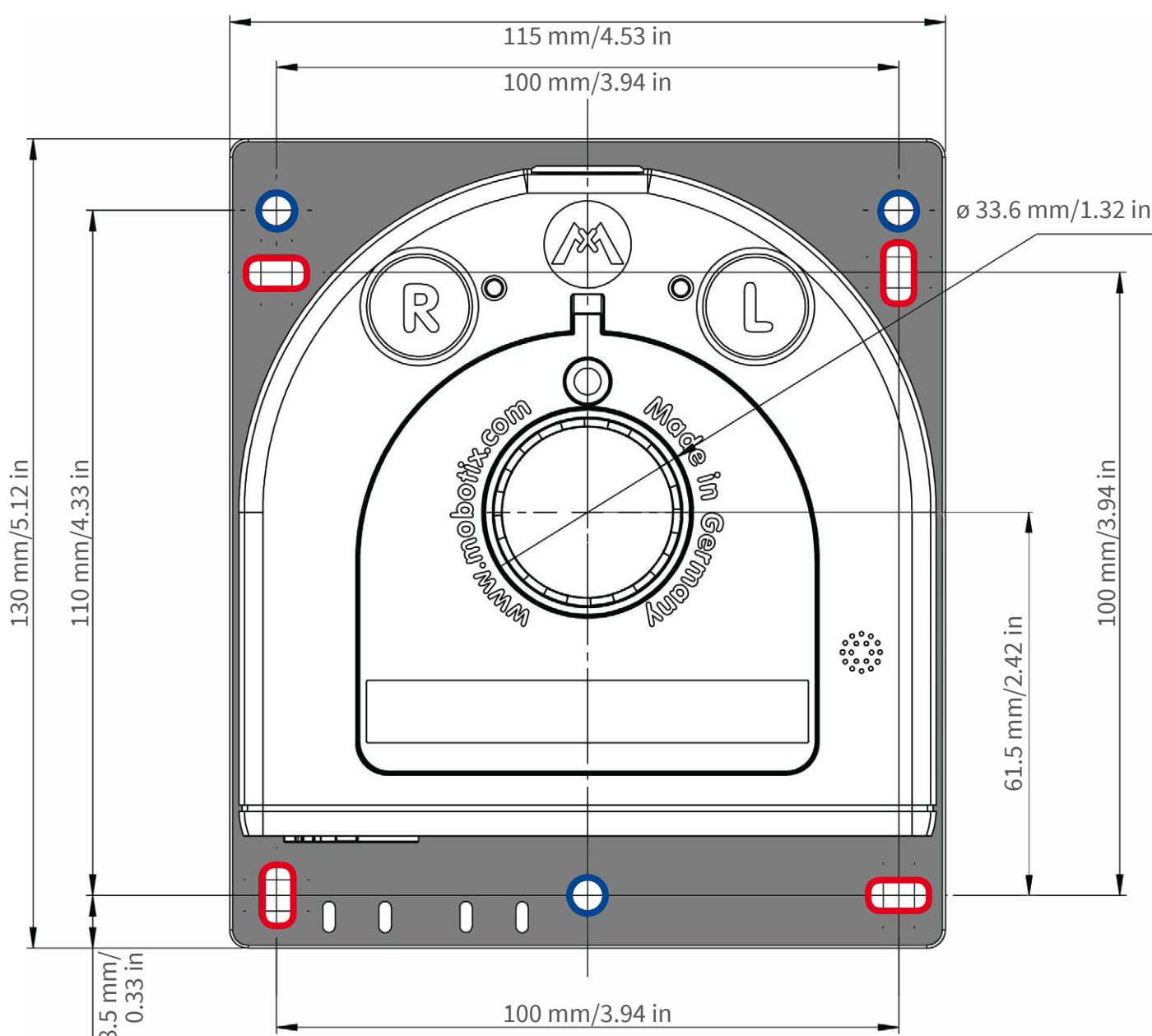
Model Variants	Mx-S26A/B*-6D016 (daylight image sensor, color) Mx-S26A/B*-6N016 (night image sensor, Black&White) *Variant Mx-S26B supports MOBOTIX MxBus modules
Lens Option	B016 (focal length 1.6 mm, f/2.0, image angle 180°x180°)
Sensitivity	Color sensor (daylight): 0,1 lx @ 1/60s; 0,005 lx @ 1s Black&White sensor (night): 0,02 lx @ 1/60s; 0,001 lx @ 1s
Image Sensor	1/1.8" CMOS, 6MP (3072x2048), Progressive Scan
Max. Image Size	6MP (3072x2048)
Image Formats	Freely configurable 4:3, 8:3, 16:9 or custom formats (image cropping), e.g., 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA)
Max. Frame Rate	MxPEG: 42@HD(1280x720), 34@Full-HD, 24@QXGA, 15@5Mp, 12@6MP M-JPEG: 26@HD(1280x720), 13@Full-HD, 9@QXGA, 5@5Mp, 4@6MP H.264: 25@Full-HD, 20@QXGA
Video Codec	MxPEG, M-JPEG, JPEG (max. output size 6MP) H.264 (max. output size QXGA, bandwidth limitation applicable)
ONVIF	ONVIF-S (camera software V5.2.x and higher, 2 <sup>nd</sup> half of 2018)
DVR	In the camera on MicroSD card (SDXC, SDHC pre-installed) External, on USB device External, on NAS Separate live image and full image recording – MxFFS with archiving function Pre- and post-alarm images Automatic DVR monitoring with error notification
Software	MxManagementCenter
Image Processing	MxLEO, backlight compensation, automatic white balance, distortion correction
PTZ	Digital pan/tilt/zoom, continuous up to 8X

Alarm/Events	Temperature sensor, shock detector (with firmware version 5.0.1 and higher), additional sensors/I/Os via MxMessageSystem, notification via e-mail, FTP, IP telephony (VoIP, SIP), visual/sound alarms, pre- and post-alarm images
Intelligent Video Analysis	MxActivitySensor, video motion analysis, MxAnalytics
Audio	Ext. microphone/ext. speaker can be attached Lip-synchronous audio, audio recording VoIP/SIP telephony, intercom, remote controlling using key codes
Interfaces	Ethernet 100Base-T (patch or installation cable), MiniUSB, MxBus*, inputs/outputs and RS232 via accessories; ext microphone and ext. speaker *Only variant Mx-S26B
Security	User/group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature, MxFFS
Certifications	EN55022:2010; EN55024:2010; EN50121-4:2006; EN61000-6-1:2007; EN 61000-6-2:2005; EN61000-6-3:2007+A1:2011; EN61000-6-4:2007+A1:2011; AS/ NZS CISPR22:2009+A1:2010, CFR47 FCC part15B
Power Supply	Power over Ethernet IEEE 802.3af
Power Consumption	Typ. 5W
Power Consumption of External Devices	At MxBus: max. 3W, at USB: max. 2.5W, total max. 4W The power consumption of the camera will increase accordingly!
Protection Classes	IP66 IK07
Ambient Temperature	-40 to 60 °C / -40 to 140 °F (cold start min. temp. -30 °C / -22 °F)
Dimensions/Weight	Width x height x depth: 115 x 130 x 48 mm / 4.53 x 5.12 x 1.89 in; weight: approx. 457 g
Standard Delivery	Housing (high-resistance composite, PBT) white and base plate aluminum blue anodized, shock-resistant dome for lens B016, mounting supplies, mounting wrenches, 50 cm/20 in patch cable, software, MicroSD card (SDXC, SDHC installed)

## Dimensions



## Drilling Template



Manuals and drilling templates: [www.mobotix.com](http://www.mobotix.com) > Support > Download Center > Documentation > Manuals > S26 Flex



Further information on [www.mobotix.com](http://www.mobotix.com):

- Products > Outdoor Cameras > S26 Flex
- Support > Download Center > Documentation > Certificates & Declarations of Conformity

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