


Inspiron 16 7635 2-in-1

Owner's Manual

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Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Views of Inspiron 16 7635 2-in-1

Right



1. SD-card slot

Reads from and writes to the SD card. The computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

2. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

3. Universal audio jack

Connect headphones or a headset (headphone and microphone combo).

Left



1. HDMI 1.4 port

Connect to a TV, external display or another HDMI-in enabled device. Provides video and audio output.

2. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

3. USB 3.2 Gen 2 Type-C port with DisplayPort 1.4 and Power Delivery

Connect devices such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

4. Power and battery-status light

Indicates the power state and battery state of the computer.

Solid white—Power adapter is connected and the battery is charging.

Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

i **NOTE:** On certain computer models, the power and battery-status light are also used for diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

Top



1. Privacy shutter

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

2. Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for four seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.



i **NOTE:** The highlighted area indicates the actual active fingerprint reader area and the image is for illustration purposes only.

NOTE: You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at www.dell.com/support/manuals.

3. Right speaker

Provides audio output.

4. Precision touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two fingers tap to right-click.

5. Left speaker

Provides audio output.

Front



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Camera

Enables you to video chat, capture photos, and record videos.

3. Camera-status light

Turns on when the camera is in use.

4. Right microphone

Provides digital sound input for audio recording and voice calls.

5. Display panel

Provides visual output to the user.

Bottom



1. Service Tag and regulatory labels

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information. The regulatory label contains regulatory information of your computer.

2. Air vents

Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer's performance and potentially cause hardware issues. Keep the air vents clear of obstructions and clean them regularly to prevent build-up of dust and dirt. For more information about cleaning air vents, search for articles in Knowledge Base Resource at www.dell.com/support.

Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.



Modes

The following modes are applicable for your 2-in-1 computers.

Notebook



Tablet



Stand



Tent



Set up your Inspiron 16 7635 2-in-1

About this task

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

Steps

1. Connect the power adapter and press the power button.



NOTE: To conserve battery power, the battery might enter power-saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish Windows setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.
 - NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps in Windows in S-mode


Resources	Description
	<p>Dell Product Registration Register your computer with Dell.</p>

Table 1. Locate Dell apps in Windows in S-mode (continued)









Resources	Description
	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>
	<p>SupportAssist</p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at www.dell.com/serviceabilitytools. Click SupportAssist and then, click SupportAssist for Home PCs.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Table 2. Locate Dell apps in Windows


Resources	Description
	<p>My Dell</p> <p>Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</p>
	<p>Dell Update</p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>SupportAssist</p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at www.dell.com/serviceabilitytools. Click SupportAssist and then, click SupportAssist for Home PCs.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Specifications of Inspiron 16 7635 2-in-1

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 16 7635 2-in-1.

Table 3. Dimensions and weight

Description	Values
Height:	
Front height	16.23 mm (0.63 in.)
Rear height	17.54 mm (0.69 in.)
Width	356.78 mm (14.04 in.)
Depth	251.70 mm (9.90 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.99 kg (4.38 lb)

Processor

The following table lists the details of the processors supported by your Inspiron 16 7635 2-in-1.

Table 4. Processor

Description	Option one	Option two
Processor type	AMD Ryzen 5 7530U	AMD Ryzen 7 7730U
Processor wattage	25 W	25 W
Processor core count	6	8
Processor thread count	12	16
Processor speed	Up to 4.50 GHz	Up to 4.50 GHz
Processor cache	19 MB	20 MB
Integrated graphics	AMD Radeon Graphics	AMD Radeon Graphics

Chipset

The following table lists the details of the chipset supported by your Inspiron 16 7635 2-in-1.

Table 5. Chipset

Description	Values
Chipset	Barcelo Refresh
Processor	AMD Ryzen 5 7530U/ AMD Ryzen 7 7730U
DRAM bus width	128-bit
Flash EPROM	16 MB
PCIe bus	Up to Gen3

Operating system


Your Inspiron 16 7635 2-in-1 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Home in S-mode, 32-bit

Memory

The following table lists the memory specifications of your Inspiron 16 7635 2-in-1.

Table 6. Memory specifications

Description	Values
Memory slots	Integrated on the system board.  NOTE: You cannot upgrade the memory on your Inspiron 16 7635 2-in-1.
Memory type	LPDDR4x
Memory speed	4266 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, LPDDR4x, 4266 MHz, integrated, dual-channel• 16 GB, LPDDR4x, 4266 MHz, integrated, dual-channel

External ports

The following table lists the external ports on your Inspiron 16 7635 2-in-1.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> Two USB 3.2 Gen 2 Type-C with DisplayPort 1.4 and Power Delivery Two USB 3.2 Gen 1 ports
Audio port	One universal audio jack
Video port/ports	<ul style="list-style-type: none"> One HDMI 1.4 port Two USB 3.2 Gen 2 Type-C with DisplayPort 1.4 <p>NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect to a DisplayPort device.</p>
Media-card reader	One SD-card slot
Power-adaptor port	Two USB 3.2 Gen 2 Type-C with Power Delivery
Security-cable slot	Not supported

Internal slots

The following table lists the internal slots of your Inspiron 16 7635 2-in-1.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for WiFi and Bluetooth combo card One M.2 2230/2280 slot for PCIe solid-state drive <p>NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support.</p>

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Inspiron 16 7635 2-in-1.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	MediaTek MT7921	MediaTek MT7922
Transfer rate	Up to 1200 Mbps	Up to 2400 Mbps
Frequency bands supported	2.40 GHz/5 GHz	2.40 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac) 	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac)

Table 9. Wireless module specifications (continued)

Description	Option one	Option two
	<ul style="list-style-type: none"> Wi-Fi 6 (WiFi 802.11ax) 	<ul style="list-style-type: none"> Wi-Fi 6E (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP 	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth	Bluetooth 5.3 <i>i</i> NOTE: Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.	Bluetooth 5.3 <i>i</i> NOTE: Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.

Audio

The following table lists the audio specifications of your Inspiron 16 7635 2-in-1.

Table 10. Audio specifications

Description	Values	
Audio controller	Realtek ALC3254	
Stereo conversion	Supported	
Internal audio interface	High-definition audio	
External audio interface	Universal audio jack	
Number of speakers	Four	
Internal-speaker amplifier	Supported	
External volume controls	Keyboard shortcut controls	
Speaker output:		
	Average speaker output	2 W x 4 = 8 W
	Peak speaker output	2.5 W x 4 = 10 W
Subwoofer output	Not supported	
Microphone	Dual-array microphones in camera assembly	

Storage

This section lists the storage options on your Inspiron 16 7635 2-in-1.

Your Inspiron 14 Plus 7435 2-in-1 supports the following storage configuration:

- One M.2 2230/2280 solid-state drive

The M.2 2230/2280 solid-state drive is the primary drive of your computer.

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 QLC, Class 25 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB

Table 11. Storage specifications (continued)

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	Up to 2 TB

Media-card reader

The following table lists the media cards supported by your Inspiron 16 7635 2-in-1.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One SD-card slot
Media-cards supported	<ul style="list-style-type: none"> Secure Digital (SD) Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC)
<p>NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.</p>	

Keyboard

The following table lists the keyboard specifications of your Inspiron 16 7635 2-in-1.

Table 13. Keyboard specifications

Description	Values
Keyboard type	Standard backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> United States and Canada: 79 keys United Kingdom: 80 keys Japan: 83 keys
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p>NOTE: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.</p>

Keyboard shortcuts of Inspiron 16 7635 2-in-1

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift + 2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn + Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn + F1**.

NOTE: You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

Table 14. List of keyboard shortcuts

Function key	Primary behavior
F1	Mutes audio
F2	Decreases audio volume
F3	Increases audio volume
F4	Plays or pauses media file
F5	Enables or disables keyboard lighting NOTE: Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight
F6	Decreases display brightness
F7	Increases display brightness
F8	Switch to an external display
F10	Prints screen (Screen capture)
F11	Home (Moves cursor to beginning of the line)
F12	End (Moves cursor to the end of the line)

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 15. Secondary behavior

Function key	Secondary behavior
Fn + F1	Operating system and application specific F1 behavior
Fn + F2	Operating system and application specific F2 behavior
Fn + F3	Operating system and application specific F3 behavior
Fn + F4	Operating system and application specific F4 behavior
Fn + F5	Operating system and application specific F5 behavior
Fn + F6	Operating system and application specific F6 behavior
Fn + F8	Operating system and application specific F8 behavior
Fn + F9	Operating system and application specific F9 behavior
Fn + F10	Operating system and application specific F10 behavior

Table 15. Secondary behavior (continued)

Function key	Secondary behavior
Fn + F11	Operating system and application specific F11 behavior
Fn + F12	Operating system and application specific F12 behavior
Fn + B	Pause/Break
Fn + S	Toggle scroll lock
Fn + R	System request
Fn + T	Toggle Turbo mode
Fn + Right Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock
Fn + Left Arrow	Home
Fn + Right Arrow	End

Camera

The following table lists the camera specifications of your Inspiron 16 7635 2-in-1.

Table 16. Camera specifications

Description	Values
Number of cameras	One
Camera type	FHD RGB camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	2.08 megapixel
Video	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:	82 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 16 7635 2-in-1.

Table 17. Touchpad specifications

Description	Values
Touchpad resolution:	> 300 dpi
Touchpad dimensions:	
Horizontal	133 mm (5.24 in.)
Vertical	90 mm (3.54 in.)


Table 17. Touchpad specifications (continued)

Description	Values
Touchpad gestures	For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your Inspiron 16 7635 2-in-1.

Table 18. Power adapter specifications

Description	Values
Type	65 W AC USB-C
Power-adapter dimensions:	
Height	28 mm (1.10 in.)
Width	51 mm (2.00 in.)
Depth	112 mm (4.40 in.)
Input voltage	100 VAC - 240 VAC
Input frequency	50 Hz - 60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	3.25 A/3 A/3 A/3 A
Rated output voltage	20 VDC/15 VDC/9 VDC/5 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)
 CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.	

Battery

The following table lists the battery specifications of your Inspiron 16 7635 2-in-1.

Table 19. Battery specifications

Description	Option one	Option two
Battery type	4-cell, 64 Wh polymer	6-cell, 86 Wh polymer
Battery voltage	15.2 VDC	13.2 VDC
Battery weight (maximum)	0.263 kg (0.57 lb)	0.34 kg (0.75 lb)
Battery dimensions:		

Table 19. Battery specifications (continued)

Description		Option one	Option two
	Height	5.75 mm (0.22 in.)	7.56 mm (0.30 in.)
	Width	271.90 mm (10.70 in.)	295.20 mm (11.62 in.)
	Depth	82 mm (3.22 in.)	77.70 mm (3.06 in.)
Temperature range:			
	Operating	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
	Storage	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) <i>i</i> NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com .		<ul style="list-style-type: none"> Express charge: 2 hours Standard charge: 3 hours (when the computer is off) 	<ul style="list-style-type: none"> Express charge: 2 hours Standard charge: 3 hours (when the computer is off)
Coin-cell battery		Supported	Supported
<p>CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</p> <p>CAUTION: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.</p>			

Display

The following table lists the display specifications of your Inspiron 16 7635 2-in-1.

Table 20. Display specifications

Description		Values
Display type		16-inch, Full High Definition Plus (FHD+)
Touch options		Touch support, with 10 touch points
Display-panel technology		Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		
	Height	344.68 mm (13.57 in.)
	Width	215.42 mm(8.48 in.)
	Diagonal	406.46 mm (16.00 in.)
Display-panel native resolution		1920 x 1200

Table 20. Display specifications (continued)

Description	Values
Luminance (typical)	300 nits
Megapixels	2.3
Color gamut	100% sRGB, typical
Pixels Per Inch (PPI)	141
Contrast ratio (min)	1200:1, typical
Response time (max)	30 ms
Refresh rate	60 Hz
Horizontal view angle	<ul style="list-style-type: none"> • +/- 85 degrees, typical • +/- 80 degrees, minimum
Vertical view angle	<ul style="list-style-type: none"> • +/- 85 degrees, typical • +/- 80 degrees, minimum
Pixel pitch	0.18 mm
Power consumption (maximum)	4.73 W
Anti-glare vs glossy finish	Glossy

Fingerprint reader (optional)

The following table lists the fingerprint-reader specifications of your Inspiron 16 7635 2-in-1.

 **NOTE:** The fingerprint reader is located on the power button.

Table 21. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Trans-capacitive sensing
Fingerprint-reader sensor resolution	500 ppi
Fingerprint-reader sensor pixel size	108 x 88 pixel

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 16 7635 2-in-1.

Table 22. GPU—Integrated

Controller	Memory size	Processor
AMD Radeon Graphics	Shared system memory	AMD Ryzen 5 7530U/ AMD Ryzen 7 7730 U

Multiple display support matrix

The following table lists the multiple display support matrix for your Inspiron 16 7635 2-in-1.

Table 23. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
AMD Radeon Graphics	Not supported	3	4

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 16 7635 2-in-1.

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 24. Computer environment

Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	Not applicable
Shock (maximum)	110 G†	Not applicable
⚠ CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

Dell Support policy

For information on Dell support policy, search in the Knowledge Base Resource at www.dell.com/support.

ComfortView

⚠ WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

ComfortView mode can be enabled and configured using the Dell CinemaColor application.

ComfortView mode complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light: Dell ComfortView software technology reduces harmful blue light emissions to make extended screen time easy on your eyes.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.

- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

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