

Android TV OS 12

Settings are based on the worldwide model. Some settings may differ from EU RED-DA compliant models and China-specific models.

Item			Options	Default Value	USB Export	Description
Info banner			On / Off	On	—	Settings for information temporarily displayed when connected.
External inputs	Manage inputs	HDMI 1	HDMI 1 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 1	Allow	Display settings for HDMI 1 input.
		HDMI 2	HDMI 2 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 2	Allow	Display settings for HDMI 2 input.
		HDMI 3 (eARC/ARC)	HDMI 3 (eARC/ARC) / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 3 (eARC/ARC)	Allow	Display settings for HDMI 3 (eARC/ARC) input.
		HDMI 4	HDMI 4 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 4	Allow	Display settings for HDMI 4 input.
		AV	AV / Blu-ray / Cable / DVD / Game console / Aux / Custom name	AV	Allow	Display settings for AV input.
	BRAVIA Sync settings	BRAVIA Sync control	On / Off	On	Allow	BRAVIA Sync device control. When set to [On], linking with connected devices is enabled.
		Auto devices off	On / Off	On	Allow	When the monitor power is turned off, HDMI-connected devices also turn off.
		Auto TV on	On / Off	On	Allow	When an HDMI-connected device is operated, the monitor power turns [On].
		BRAVIA Sync device list	—	—	Allow	List display of connected BRAVIA Sync devices.
		Device control keys	None / Normal / Tuning keys	Normal	Allow	Settings for remote control buttons used to operate BRAVIA Sync devices.
	HDMI signal format	HDMI 1	Standard format / Enhanced format	Standard format	Allow	Switch the supported signal format for HDMI 1 input.
		HDMI 2	Standard format / Enhanced format	Standard format	Allow	Switch the supported signal format for HDMI 2 input.
		HDMI 3 (eARC/ARC)	Standard format / Enhanced format / Enhanced format (Dolby Vision) / Enhanced format (VRR)	Standard format	Allow	Switch the supported signal format for HDMI 3 (eARC/ARC) input.
		HDMI 4	Standard format / Enhanced format / Enhanced format (Dolby Vision) / Enhanced format (VRR)	Standard format	Allow	Switch the supported signal format for HDMI 4 input.
	HDMI 4 audio source		Auto /HDMI 4 / HDMI 4 AUDIO IN	Auto	—	Select the audio input terminal when video signal is input to HDMI 4 terminal.

Display & Sound	Picture	Picture mode		Vivid / Standard / Cinema / Game / Graphics / Photo / Custom	Standard	Allow	Picture quality presets according to usage.
		Reset picture settings		Button only (Reset)	—	—	Reset the current mode to the factory default [Custom].
		Auto picture mode		On / Off	On	Allow	Automatically switches picture mode according to the content of HDMI-connected devices.
		Light sensor		On / Off	On	Allow	Automatically adjusts screen brightness according to the surrounding brightness.
		Brightness	Brightness	Min~Max (0~50)	35	Allow	Adjusts panel brightness.
			Contrast	Min~Max (0~100)	90	Allow	Adjusts brightness and darkness by changing the signal range.
			Gamma	Min~Max (-3~3)	0	Allow	Adjusts the brightness balance of mid-tones.
			Black level	Min~Max (0~100)	50	Allow	Adjusts brightness of dark areas.
			Black adjust	High / Medium / Low / Off	Medium	Allow	Emphasizes black and automatically adjusts brightness of dark areas.
			Adv.contrast enhancer	High / Medium / Low / Off	Medium	Allow	Automatically corrects contrast.
		Color	Color	Min~Max (0~100)	60	Allow	Adjusts saturation.
			Hue	R50~G50	0	Allow	Shifts color tone toward red/green direction.
			Color temperature	Cool / Neutral / Warm / Expert 1 / Expert 2	Medium	Allow	djusts color temperature.
			Live Color	High / Medium / Low / Off	Medium	Allow	Corrects color vividness for each color.
		Auto local dimming		High / Medium / Low / Off	Medium	—	Analyzes image brightness and adjusts brightness of each backlight section. Enhances contrast.
		Peak luminance		High / Medium / Low / Off	Medium	—	Analyzes brightness in real time, makes bright areas brighter, and enhances contrast especially in dark scenes.
		Clarity	Sharpness	Min~Max (0~100)	60	Allow	Enhances edges and details.
			Reality Creation	Auto / Manual / Off	Auto	Allow	Improves clarity through super resolution processing and noise reduction.
			Random noise reduction	Auto / High / Medium / Low / Off	Auto	Allow	Reduces dot noise and color noise in dark areas.
			Digital noise reduction	Auto / High / Medium / Low / Off	Auto	Allow	Reduces compression noise and other artifacts.
		Motion	Motionflow	Auto / Custom / Off Smoothness : Min~Max (0~3) Clearness : Min~Max (0~3)	Auto	Allow	Adjusts smoothness using frame interpolation. Smoothness and clarity can only be set in Custom mode.
			CineMotion	High / Low / Off	High	Allow	Optimal conversion processing for film content.
		Video signal	HDR mode	Auto / HDR10 / HLG / Off	Auto	Allow	Sets the HDR format of the input signal.
			HDMI video range	Auto / Full / Limited	Auto	Allow	Sets the HDMI video range.
			Color space	Auto / sRGB/BT.709 / DCI / BT.2020	Auto	Allow	Sets the color space.
		Adv.color adjustment	Adv.color temperature : Basic	RGB Gain -40~0 RGB-Bias -20~20 Reset	RGB Gain:MAX RGB Bias: 0	Allow	Sets color temperature for each RGB.
			Adv.color temperature : Multi point (10p)	Colour gamma adjustment points 1~10 RGB-Offset -20~20 Reset	Gamma adjustment point 1 RGB Offset 0	Allow	Sets color temperature for each RGB.
	Screen	Wide mode		Auto / Wide zoom / Normal / Full / Zoom	Auto	Allow	Switches to the appropriate aspect ratio.
		4:3 default		Wide zoom / Normal	Wide zoom	Allow	Switches to the appropriate aspect ratio.
		Auto display area		On / Off	Off	Allow	Screen orientation settings.
		Display area		+1 / Normal / -1	+1	Allow	Screen orientation settings.
		Screen position		Vertical / Horizontal	—	Allow	Screen orientation settings.
		Vertical size		Min~Max (-2~8)	—	Allow	Adjusts the vertical size of the screen.
	Sound	Sound customization	Surround	Auto / On / Off	Auto	Allow	Virtually reproduces 5.1ch surround audio content with immersive sound.
		*Settings for each input	Surround effect	Min~Max (0~12)	6	Allow	Adjusts the surround effect.
			Equalizer	Min~Max (-12~12) Frequency: 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz	All 0	Allow	Adjusts sound quality for each frequency band.
			Dialogue enhancer	Min~Max (0~6)	Min	—	Adjusts so that human voices can be heard clearly.
			Volume level	Volume offset	Auto	—	Adjusts when volume differences are noticeable when switching broadcasts or inputs.
		*Settings for each input	Dolby Dynamic Range	Min~Max (0~12)	6	—	Compensates for volume level differences between input signals. (Only for Dolby Digital audio)
			Advanced auto volume	Auto / Off	All 0	Allow	Automatic volume adjustment.
		Balance		L15-R15	0	Allow	Adjust the left/right speaker balance.
		Display position		Table-Top / Stand	Table-Top	Allow	Select monitor position.
		Reset		—	—	—	Resets sound quality settings to factory default.
	Audio output	Speakers		Built-in speakers / Audio system	Built-in speakers	Allow	Audio output destination settings.
		Audio system prioritization		On / Off	On	Allow	When set to [On], automatically switches audio output to BRAVIA Sync compatible audio system when the monitor starts up.
		Home theater control	Setting	—	—	—	Configures sound quality settings for the connected audio system.
			S Field	—	—	—	Configures sound settings for the connected audio system.
			Inputs	—	—	—	Switches the input of the connected audio system.
			Standby	—	—	—	Sets the power off for the connected audio system.
		A/V sync		Auto / On / Off	Auto	Allow	
		eARC mode		Auto / Off	Off	Allow	[Auto] outputs audio when an eARC compatible device is connected to HDMI 3 (eARC/ARC) terminal.
		Digital audio out		Auto 1 / Auto 2 / PCM	PCM	Allow	Sets the audio format output to an audio system connected via HDMI cable or optical digital cable.
		Digital audio out volume		Min~Max (0~100)	Max	Allow	
		Dolby Digital Plus output		Dolby Digital Plus / Dolby Digital	Dolby Digital Plus	Allow	When using an audio system that supports ARC and Dolby Digital Plus, sets the Dolby Digital Plus output format.
		Pass through mode		Auto / Off	Off	Allow	Outputs audio signal to the audio system without decoding.

Network & Internet	Wi-Fi		On / Off	Off	Allow	Enable Wi-Fi.	
	AVAILABLE NETWORKS		Available network list	—	—	Check the list of available networks.	
	Add new network		—	—	—	Manually add a network.	
	Scanning always available		On / Off	On	—	Scan for networks using Google location services and other apps even when Wi-Fi is OFF.	
	Not connected		Not connected / Connected	Status display	—	Display LAN connection status.	
	Proxy settings		None / Manual	None	Allow	Proxy settings.	
	IP settings		DHCP / Static	—	Allow	DHCP settings	
	Network status		List display	—	—	Check network connection status.	
	Remote start	Wi-Fi Direct	Off / On (Networked standby) / On (Powered on by apps)	Off	Allow	Configure power control from external devices.	
	Remote device settings	Control remotely	On / Off	On	—	Enter the SSID and password on the device to be registered to connect.	
		Deregister remote device	List display	—	—	Unregister.	
	Local network	Server diagnostics		Server diagnostics	—	—	Check server diagnostics.
		Renderer	Renderer	On / Off	Off	Allow	Enable renderer function.
			Renderer access control	Auto access permission On / Off advanced settings	On No advanced settings	Allow	Set whether to automatically allow connections from new devices.
		IP control	Authentication	Nomal / Nomal and Pre-Shared Key	Normal	Allow	Authentication method settings.
			Pre-Shared Key	Text entry	—	Allow	Pre-Shared Key settings.
			Simple IP control	On / Off	Off	Allow	Enable Simple IP control.
			Control4®	On / Off	Off	Allow	Enable Control4®.

Accounts & sign-in	Choose account type		Google / Sony	—	—	—
Privacy	Location	Location status	Use Wi-Fi to estimate location / Off	Use Wi-Fi to estimate location	—	Check Google location services status.
		Scanning always available	On / Off	On	Allow	Set whether to always scan for location.
	Usage & diagnostics		On / Off	On	—	Allow usage access.
	Ads	Reset advertising ID	—	—	—	Reset advertising ID.
		Delete advertising ID	—	—	—	Delete advertising ID.
	Google Assistant	This device's advertising ID	ID display	—	—	Check advertising ID.
		Accounts	—	—	—	Display Google Assistant account.
		View permissions	—	—	—	Display Google Assistant permissions.
		Searchable apps	—	—	—	Select apps for Google Assistant to search.
		SafeSearch filter	On / Off	Off	—	Display license.
		Open source licenses	List display	—	—	Allow Google Play Store operation in "Pro Mode" environment.
App setting	App permissions	Files and media	Allowed Google Play Store Not allowed — Show system apps	—	—	Allow Google Voice Service operation in "Pro Mode" environment.
		Microphone	Allowed Speech Services by Google Not allowed — Show system apps	—	—	Allow Google apps operation in "Pro Mode" environment.
		Other permissions	Contacts Calendar SMS Location Nearby devices Call logs System information Physical activity Camera	Select to allow or deny each app	—	Select apps to allow from the list.
	Special app access	Energy optimization	Select permitted apps from the list.	—	—	Optimizes power consumption of the specified app.
		Usage access	Select permitted apps from the list.	—	—	The specified app will be able to track information such as usage status and frequency of other apps, mobile carrier, language settings, etc.

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Item		Options	Default Value	USB Export	Description
	Notification access	Select permitted apps from the list.	—	—	The specified app will be able to read all notifications. Notifications may include personal information such as contact names and the content of received messages.
	All files access	Select permitted apps from the list.	—	—	Select apps to allow from the list.
	Display over other apps	Select permitted apps from the list.	—	—	Select permitted apps from the list.
	Modify system settings	Select permitted apps from the list.	—	—	Settings to allow the specified app to modify system settings.
	Picture-in-picture	Select permitted apps from the list.	—	—	Allows the specified app to display a picture-in-picture window while the app is open or after leaving the app, for purposes such as continuing video playback.
	Alarms & reminders	Select permitted apps from the list.	—	—	Allow installation from the unknown apps list.
	Turn screen on	Select permitted apps from the list.	—	—	—
Security & Restrictions	Unknown apps	Allow installation from unknown apps list.	—	—	Allow installation of apps from sources other than the Play Store.
Apps	Same settings as App permissions, Special app access, and See all apps in Privacy. Can also be configured from here.				

System	Accessibility	Subtitle settings		Streaming & other content	—	—	Enable subtitles.	
		Hight-contrast text		On / Off	Off	—	—	
		Text to speech	Speech Services by Google	On	On	—	—	Enable Google Voice Service.
			Engine configuration	Select language Detailed settings for Google Voice Service (speech volume, language detection, etc.) Install voice data	—	—	—	Detailed settings for text-to-speech method.
			Speech rate	Very slow / Slow / Normal / Fast / Faster / Very fast / Rapid / Very rapid / Fastest	Normal	—	—	Set text-to-speech speed.
			Listen to an example	—	—	Allow	—	Play sample.
			Default language status	—	—	—	—	Display default.
			Enable accessibility shortcut	On / Off	On	—	—	When the shortcut is on, press and hold the mute button for 3 seconds to launch accessibility features.
		TalkBack	Shortcut service	TalkBack / Switch Access / Text magnification / Screen reader	TalkBack	—	—	Select accessibility features to enable shortcuts for.
			Enable	On / Off	Off	—	—	Enable TalkBack.
		Configuration	Speech volume Verbosity Sound Customize focus Help Advanced settings Open TalkBack at the Play Store	—	—	—	Detailed settings for TalkBack.	
			Switch Access	Enable	On / Off	Off	—	Enable Switch Access.
		Configuration	Help Open setup guide Assign switches for scanning Assign switches to global actions Assign switches to shortcuts Enable Menu Customization Revert to Default Menu Auto-scan Scanning method Point scan Automatically start scanning Auto-select Scanning highlight style Speech, sound & vibration Ignore repeated presses Release to perform action Privacy policy Developer settings	—	—	—	Detailed settings for Switch Access.	
			Text magnification	Enable	On / Off	Off	—	Enable text magnification.
			Configuration	Color Duration	—	—	—	Detailed settings for text display.
		Screen reader (limited support)	Enable	On / Off	Off	Allow	—	Enable voice readout (limited function version).
			Configuration	—	—	—	Allow	Detailed settings for voice readout.
		About	System software update	Software update	Search and update the version	—	—	Check the monitor's software version & update.
				Automatically check for update	On / Off	Off	—	Enable automatic software update.
			Device name	—			—	—
			Factory data reset	Erase data from internal shared storage	Erase everything / Cancel	—	—	Factory data reset.
			Status	IP address MAC address Bluetooth address Serial number Uptime			—	Check current status.
			Legal information	Third Party Source Google legal System WebView licenses Consumer Information Sony legal End user license agreement			—	Check legal information from the list.
	Model		Display monitor model name			—	Display monitor model name.	
	Android TV OS version		Display Android TV OS version			—	Display Android TV OS version.	
	Android TV OS security patch level		Display Android TV OS security patch level			—	Display Android TV OS security patch level.	
	Kernel version		Display kernel version			—	Display kernel version.	
	Android TV OS build		Display Android TV OS build			—	Display Android TV OS build.	
	Date & Time		Automatic date & time	On / Off	On	—	Enable automatic date and time setting.	
			Set date	—			—	—
		Set time	—			—	—	
		Set time zone	Select time zone (area)			—	Select time zone (area).	
		Use 24-hour format	On / Off	On	—	Enable 24-hour format.		
		Auto clock display	On (always) / On (every hour) / Off	Off	—	Enable automatic clock display.		
	Language	Keyboard	Current keyboard	Select language			—	Select GUI language.
			Gboard	Gboard			—	Enable Gboard.
			Gboard Settings	Current version Languages Terms of service Privacy policy Open source licenses Share usage statistics			—	Detailed settings for Gboard.
			Physical keyboard	Available when a physical keyboard is connected			—	Enable physical keyboard.
	Storage	Manage keyboards	Select from available virtual keyboard list			—	Enable virtual keyboard.	
		Internal shared storage (except for system area)	Display internal storage capacity			—	Display internal storage capacity. When devices such as USB drives are connected, their capacity can also be checked.	
	Home screen	Customize channels	Play Next	On / Off	On	—	Enable "Next recommendations" display.	
		Home screen channels	—			—	Select channels to display on the home screen.	
		Enable video previews	On / Off			On	—	
		Enable audio previews	On / Off			On	—	
		Reorder apps	—			—	Select an app and press [OK], then use the directional buttons to move the selected app's position, and press [OK] again to place it in the specified location.	
		Reorder games	—			—	Select an app and press [OK], then use the directional buttons to move the selected app's position, and press [OK] again to place it in the specified location.	
		Android TV Home	Display license			—	—	
		Android TV Core Services	Display license			—	Allow	
	Screen saver	Screen saver	Sleep / Backdrop / Colors / Living Décor			Backdrop	Allow	
		When to start	5 minutes / 10 minutes / 15 minutes / 30 minutes / 1 hour / 2 hours			15 minutes	—	
		Start now	—			—	Allow	
	Power & Energy	Energy saver	Turn off display after	15 minutes / 30 minutes / 1 hour / 2 hours / 4 hours / 8 hours / 12 hours / 24 hours / Never		4 hours	Allow	
			Allow the display to turn off while watching	On / Off		On	—	
			Auto power saving mode	On / Off		Off	—	
			Power saving	Power saving effect Low Start power saving after		Off	—	
		Eco Dashboard	No signal power off	Off / Low / High		Off	—	
			Power saving→Light sensor→Idle display power off→No signal power off	On / Off		On	—	
			Easy Eco setup	Power saving→Light sensor→Idle display power off→No signal power off		—	—	
			Power saving	High / Low / Off		Off	—	
			Light sensor	On / Off		On	Allow	
			Idle display power off	15 minutes / 30 minutes / 1 hour / 2 hours / 4 hours / 8 hours / 12 hours / 24 hours / Never		4 hours	Allow	
			No signal power off	On / Never		On	—	
			Power saving tips	Introduction tips		—	—	
	Cast	Always / While casting / Never			While casting	—		
	Sound	System sounds		On / Off		On	—	
		Channels & External input Restrict watching		Security code entry settings: On/Off		Off	—	
		Apps	External input block	HDMI1 / HDMI2 / HDMI3(eARC/ARC) / HDMI4 / AV		—	—	
			Restrict apps	Security PIN code entry settings: On/Off		Off	—	
		Screen time	All apps	Select apps to restrict from the list		—	—	
			Restrict screen time	Security PIN code entry settings: On/Off		Off	—	
			Usage time limit	1 hour / 2 hours / 3 hours / Custom		—	Allow	
			Restricted time slot	Time settings		—	Allow	
		Change PIN	Repeat		Select by day of the week		Every day	Allow
		LED indicator	Operational response		On / Off		On	—
	Apple AirPlay & HomeKit	AirPlay		On / Off		On	—	
		Require Code		First Time Only / Every Time / Use Password Instead		First Time Only	—	
		Subtitles and Captioning		Closed Captions and SHD		—	—	
		Closed Captions and SHD	TEXT > Font > Font	San Francisco / Helvetica / Cinecav X / Menlo / Lucida Grande / Avenir / COPPERPLATE / Savove		San Francisco	—	—
			TEXT > Font >Video Override	On / Off		On	—	—
			TEXT > Size >Size	Small / Medium / Large / Extra Large		Medium	—	—
			TEXT > Size >Video Override	On / Off		On	—	—
			TEXT > Font Colour > Font Colour	White / Cyan / Blue / Green / Yellow / Magenta / Red / Black		White	—	—
			TEXT > Font Colour > Video Override	On / Off		On	—	—
			Back ground colour > Font Colour	White / Cyan / Blue / Green / Yellow / Magenta / Red / Black		Black	—	—
			Background Colour > Video Override	On / Off		On	—	—
			OPACITY > OPACITY	0% / 25% / 50% / 75% / 100%		50%	—	—
			OPACITY > Video Override	On / Off		On	—	—
			Text Opacity >Text Opacity	Opaque / Semi-Transparent / Transparent		Opaque	—	—
			Text Opacity >Video Override	On / Off		On	—	—
			Text Edge Style > Text Edge Style	None / Drop Shadow / Raised / Depressed / Uniform		None	—	—
			Text Edge Style > Video Override	On / Off		On	—	—
			Text Highlight > Text Highlight	Black / White / Blue / Red / Green / Cyan / Yellow / Magenta		Black	—	—
			Text Highlight > Video Override	On / Off		On	—	—
			OPACITY > OPACITY	0% / 25% / 50% / 75% / 100%		0%	—	—
		OPACITY > Video Override	On / Off		On	—	—	
		Apple AirPlay and HomeKit settings	AirPlay Logging	—		—	—	—
			Analytics	—		—	—	—
			Acknowledgements	—		—	—	—
			AirPlay Version	—		—	—	—
			App Version	—		—	—	—
App Engine			—		—	—	—	
Reset		Streaming Engine		—		—	—	
HomeKit		Set Up	—		—	—	—	
Initial setup		—		—		Allow	—	
Restart		—		—		—	—	

Remotes & Accessories	Bluetooth	Bluetooth	On / Off	On	Allow	—
		Registered devices	Bluetooth devices / Add devices	—	Allow	—
	Remote control	Connect via Bluetooth	—	—	—	—
		Software update	—	—	—	—
	RS232C control		Off / Via HDMI port / Via serial port	—	Allow	—

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Item			Options	Default Value	USB Export	Description			
Info banner External inputs			On / Off	On	—	Settings for information temporarily displayed when connected.			
	Manage inputs	HDMI 1	HDMI 1 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 1	Allow	Display settings for HDMI 1 input.			
		HDMI 2	HDMI 2 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 2	Allow	Display settings for HDMI 2 input.			
		HDMI 3 (eARC/ARC)	HDMI 3 (eARC/ARC) / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 3 (eARC/ARC)	Allow	Display settings for HDMI 3 (eARC/ARC) input.			
		HDMI 4	HDMI 4 / Blu-ray / Cable / DVD / Game console / Aux / Custom name	HDMI 4	Allow	Display settings for HDMI 4 input.			
		AV	AV / Blu-ray / Cable / DVD / Game console / Aux / Custom name	AV	Allow	Display settings for AV input.			
	BRAVIA Sync settings	BRAVIA Sync control		On / Off	On	Allow	BRAVIA Sync device control. When set to [On], linking with connected devices is enabled.		
		Auto devices off		On / Off	On	Allow	When the monitor power is turned off, HDMI-connected devices also turn off.		
		Auto TV on		On / Off	On	Allow	When an HDMI-connected device is operated, the monitor power turns [On].		
		BRAVIA Sync device list		—	—	Allow	List display of connected BRAVIA Sync devices.		
		Device control keys		None / Normal / Tuning keys	Normal	Allow	Settings for remote control buttons used to operate BRAVIA Sync devices.		
	HDMI signal format	HDMI 1	Standard format / Enhanced format		Standard format	Allow	Switch the supported signal format for HDMI 1 input.		
		HDMI 2	Standard format / Enhanced format		Standard format	Allow	Switch the supported signal format for HDMI 2 input.		
		HDMI 3 (eARC/ARC)	Standard format / Enhanced format / Enhanced format (Dolby Vision) / Enhanced format (VRR)		Standard format	Allow	Switch the supported signal format for HDMI 3 (eARC/ARC) input.		
		HDMI 4	Standard format / Enhanced format / Enhanced format (Dolby Vision) / Enhanced format (VRR)		Standard format	Allow	Switch the supported signal format for HDMI 4 input.		
HDMI 4 audio source		Auto /HDMI 4 / HDMI 4 AUDIO IN		Auto	—	Select the audio input terminal when video signal is input to HDMI 4 terminal.			
Display & Sound	Picture	Picture mode		Vivid / Standard / Cinema / Game / Graphics / Photo / Custom	Standard	Allow	Picture quality presets according to usage.		
		Reset picture settings		Button only (Reset)		—	—	Reset the current mode to the factory default [Custom].	
		Auto picture mode		On / Off		On	Allow	Automatically switches picture mode according to the content of HDMI-connected devices.	
		Light sensor		On / Off		On	Allow	Automatically adjusts screen brightness according to the surrounding brightness.	
		Brightness	Brightness	Min~Max (0~50)		35	Allow	Adjusts panel brightness.	
			Contrast	Min~Max (0~100)		90	Allow	Adjusts brightness and darkness by changing the signal range.	
			Gamma	Min~Max (-3~3)		0	Allow	Adjusts the brightness balance of mid-tones.	
			Black level	Min~Max (0~100)		50	Allow	Adjusts brightness of dark areas.	
			Black adjust	High / Medium / Low / Off		Medium	Allow	Emphasizes black and automatically adjusts brightness of dark areas.	
			Auto contrast adjustment	High / Medium / Low / Off		Medium	Allow	Automatically corrects contrast.	
			Local dimming	High / Medium / Low / Off		Medium	Allow	Automatically corrects contrast.	
			X-tended Dynamic Range	High / Medium / Low / Off		Off	Allow	Automatically corrects contrast.	
			Color	Color	Min~Max (0~100)		50	Allow	Adjusts saturation.
		Hue		R50~G50		0	Allow	Shifts color tone toward red/green direction.	
		Color temperature		Cool / Neutral / Warm / Expert 1 / Expert 2		Expert 1	Allow	djusts color temperature.	
		Live Color		High / Medium / Low / Off		Off	Allow	Corrects color vividness for each color.	
		Auto local dimming		High / Medium / Low / Off		Medium	—	Analyzes image brightness and adjusts brightness of each backlight section. Enhances contrast.	
		Peak luminance		High / Medium / Low / Off		Medium	—	Analyzes brightness in real time, makes bright areas brighter, and enhances contrast especially in dark scenes.	
		Clarity	Sharpness	Min~Max (0~100)		50	Allow	Enhances edges and details.	
			Reality Creation	Auto / Manual / Off		Manual	Allow	Improves clarity through super resolution processing and noise reduction.	
			Resolution: Min~Max (0~100)	Resolution: 65		Allow	Reduces dot noise and color noise in dark areas.		
			Random noise reduction	Auto / High / Medium / Low / Off		Auto	Allow	Reduces compression noise and other artifacts.	
		Motion	Digital noise reduction	Auto / High / Medium / Low / Off		Auto	Allow	Reduces compression noise and other artifacts.	
			Motionflow	Auto / Custom / Off		Auto	Allow	Adjusts smoothness using frame interpolation. Smoothness and clarity can only be set in Custom mode.	
			Smoothness : Min~Max (0~3)	Smoothness: 2		Allow	Adjusts smoothness using frame interpolation. Smoothness and clarity can only be set in Custom mode.		
		CineMotion	Clearness : Min~Max (0~3)	Clearness: 1		Allow	Optimal conversion processing for film content.		
			High / Low / Off	Auto		Allow	Optimal conversion processing for film content.		
			Video signal	High / Low / Off		Auto	Allow	Optimal conversion processing for film content.	
		Video signal	HDR mode	Auto / HDR10 / HLG / Off		Auto	Allow	Sets the HDR format of the input signal.	
			HDMI video range	Auto / Full / Limited		Auto	Allow	Sets the HDMI video range.	
			Color space	Auto / sRGB/BT.709 / DCI / BT.2020		Auto	Allow	Sets the color space.	
		Adv.color adjustment	Adv.color temperature : Basic	RGB-Gain -40~0 RGB-Bias -20~20 Reset		RGB-Gain: MAX RGB-Bias: 0	Allow	Sets color temperature for each RGB.	
			Adv.color temperature : Multi point (10p)	Colour gamma adjustment points 1~10 RGB-Offset -20~20 Reset		Colour gamma: 1 RGB-Offset: 0	Allow	Sets color temperature for each RGB.	
			Multi point (10p)	Reset		Allow	Sets color temperature for each RGB.		
	Screen	Wide mode		Auto / Wide zoom / Normal / Full / Zoom		Auto	Allow	Switches to the appropriate aspect ratio.	
		4:3 default		Wide zoom / Normal		Wide zoom	Allow	Switches to the appropriate aspect ratio.	
		Auto display area		On / Off		Off	Allow	Screen orientation settings.	
		Display area		+1 / Normal / -1		+1	Allow	Screen orientation settings.	
		Screen position		Vertical / Horizontal		—	Allow	Screen orientation settings.	
		Vertical size		—		0	Allow	Adjusts the vertical size of the screen.	
		Sound		—		—	—	—	
	*Settings for each input	Sound customization	Surround	Auto / On / Off		Auto	Allow	Virtually reproduces 5.1ch surround audio content with immersive sound.	
			Surround effect	Min~Max (0~12)		6	Allow	Adjusts the surround effect.	
			Equalizer	Min~Max (-12~12) Frequency: 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz		All 0	Allow	Adjusts sound quality for each frequency band.	
			Dialogue enhancer	Min~Max (0~6)		Min	—	Adjusts so that human voices can be heard clearly.	
		Volume level	Volume offset	Auto / On / Off		0	—	Adjusts when volume differences are noticeable when switching broadcasts or inputs.	
			Dolby Dynamic Range	Standaed / Compress		Standard	—	Compensates for volume level differences between input signals. (Only for Dolby Digital audio)	
			Advanced auto volume	On / Off		Off	Allow	Automatic volume adjustment.	
		Balance		L15-R15		0	Allow	Adjust the left/right speaker balance.	
		Display position		Table-Top / Stand		Table-Top	Allow	Select monitor position.	
		Reset		—		—	—	Resets sound quality settings to factory default.	
	Audio output	Speakers		Built-in speakers / Audio system		Built-in speakers	Allow	Audio output destination settings.	
		Audio system prioritization		On / Off		Off	Allow	When set to [On], automatically switches audio output to BRAVIA Sync compatible audio system when the monitor starts up.	
		Home theater control	Setting	—		—	—	Configures sound quality settings for the connected audio system.	
			S.Field	—		—	—	Configures sound settings for the connected audio system.	
			Inputs	—		—	—	Switches the input of the connected audio system.	
			Standby	—		—	—	Sets the power off for the connected audio system.	
		A/V sync		Auto / On / Off		Auto	Allow	—	
		eARC mode		Auto / Off		Off	Allow	[Auto] outputs audio when an eARC compatible device is connected to HDMI 3 (eARC/ARC) terminal.	
		Digital audio out		Auto 1 / Auto 2 / PCM		PCM	Allow	Sets the audio format output to an audio system connected via HDMI cable or optical digital cable.	
		Digital audio out volume		Min~Max (0~100)		Max	Allow	—	
		Dolby Digital Plus output		Dolby Digital Plus / Dolby Digital		Dolby Digital Plus	Allow	When using an audio system that supports ARC and Dolby Digital Plus, sets the Dolby Digital Plus output format.	
		Pass through mode		Auto / Off		Off	Allow	Outputs audio signal to the audio system without decoding.	
Network & Internet	Wi-Fi		On / Off		Off	Allow	Enable Wi-Fi.		
	AVAILABLE NETWORKS		Available network list		—	—	Check the list of available networks.		
	Other Options > Add new network		—		—	—	Manually add a network.		
	Scanning always available		On / Off		On	—	Scan for networks using Google location services and other apps even when Wi-Fi is OFF.		
	Ethernet > Not connected		Not connected / Connected		Status display	—	Display LAN connection status.		
	Proxy settings		None / Manual		None	Allow	—		
	IP settings		DHCP / Static		—	Allow	—		
	Network status		List display		—	—	—		
	Wi-Fi Direct	Wi-Fi Direct settings		Off / On (Networked standby) / On (Powered on by apps)		Off	—	Configure power control from external devices.	
		Show device list/Delete		—		—	—	—	
	Remote device settings	Control remotely		On / Off		Display SSID and password (WPA key)	—	Enter the SSID and password on the device to be registered to connect.	
		Deregister remote device		List display		—	—	—	
	Local network	Server diagnostics		Server diagnostics		—	—	Check server diagnostics.	
		Renderer	Renderer	On / Off		Off	—	Enable renderer function.	
			Renderer access control	Auto access permission On / Off advanced settings		Off	Allow	Set whether to automatically allow connections from new devices.	
		Renderer access control	Automatic access permission	On / Off / Custom settings		Off	Allow	—	
			IP control	Authentication		Normal / Nomal and Pre-Shared Key	Normal	Allow	Authentication method settings.
		Pre-Shared Key	Text entry		—		Allow	Pre-Shared Key settings.	
			Simple IP control		On / Off		On	—	Enable Simple IP control.
			Control4®		On / Off		On	—	Enable Control4®.
	Accounts & sign-in	Choose account type		Google / Sony		—	—	—	

Privacy	Location	Location status		Use Wi-Fi to estimate location / Off		OFF	—	Check Google location services status.		
		Scanning always available		On / Off		Off	Allow	Set whether to always scan for location.		
	Usage & diagnostics			On / Off		OFF	—	Allow usage access.		
	Ads	Reset advertising ID		—		—	—	Reset advertising ID.		
		Delete advertising ID		—		—	—	Delete advertising ID.		
		This device's advertising ID		ID display		—	—	Check advertising ID.		
	Google Assistant	Accounts		—		—	—	Display Google Assistant permissions.		
		View permissions		—		Off	—	—		
		Searchable apps		—		Off	—	—		
		SafeSearch filter		On / Off		—	—	—		
		Open source licenses		List display		—	—	—		
	App settings	App permissions		Allowed Google Play Store Not allowed – Show system apps		—	—	Allow Google Play Store operation in "Pro Mode" environment.		
		Special app access	Energy optimization	Select permitted apps from the list.		—	—	Optimizes power consumption of the specified app.		
			Usage access	Select permitted apps from the list.		—	—	The specified app will be able to track information such as usage status and frequency of other apps, mobile carrier, language settings, etc.		
Notification access			Select permitted apps from the list.		—	—	The specified app will be able to read all notifications. Notifications may include personal information such as contact names and the content of received messages.			
Display over other apps			Select permitted apps from the list.		—	—	Select permitted apps from the list.			
Modify system settings			Select permitted apps from the list.		—	—	Settings to allow the specified app to modify system settings.			
Picture-in-picture		Select permitted apps from the list.		—	—	Allows the specified app to display a picture-in-picture window while the app is open or after leaving the app, for purposes such as continuing video playback.				
	Turn screen on	Select permitted apps from the list.		—	—	Select permitted apps from the list.				
Security & Restrictions	Unknown apps		Allow installation from unknown apps list.		—	—	Allow installation of apps from sources other than the Play Store.			
Apps	Same settings as App permissions, Special app access, and See all apps in Privacy. Can also be configured from here.									
System	Accessibility	Subtitle settings		—		—	—	Enable subtitles.		
		High contrast text (Experimental)		On / Off		Off	—	—		
		Text to speech	Speech Services by Google		On		On	—	Enable Google Voice Service.	
			Engine configuration		Select language Detailed settings for Google Voice Service (speech volume, language detection, etc.) Install voice data		—	—	Detailed settings for text-to-speech method.	
			Speech rate		Very slow / Slow / Normal / Fast / Faster / Very fast / Rapid / Very rapid / Fastest		Normal	—	Set text-to-speech speed.	
			Listen to an example		—		—	—	Play sample.	
			Default language status		—		—	—	Display default.	
		Accessibility shortcut	Enable accessibility shortcut		On / Off		On	Allow	When the shortcut is on, press and hold the mute button for 3 seconds to launch accessibility features.	
			Shortcut service		TalkBack / Switch Access / Text magnification / Screen reader (limited support)		TalkBack	—	Select accessibility features to enable shortcuts for.	
		Talk Back	Enable		On / Off		Off	—	Enable TalkBack.	
			Configuration		Speech volume Verbosity Sound Customize focus Help Advanced settings Open TalkBack at the Play Store		—	—	Detailed settings for TalkBack.	
		Switch Access	Enable		On / Off		Off	—	Enable Switch Access.	
			Configuration		Help Open setup guide Assign switches for scanning Assign switches to global actions Assign switches to shortcuts Enable Menu Customization Revert to Default Menu Auto-scan Scanning method Point scan Automatically start scanning Auto-select Scanning highlight style Speech, sound & vibration Ignore repeated presses Release to perform action Privacy policy Developer		—	—	Detailed settings for Switch Access.	
		Text magnification	Enable		On / Off		Off	—	Enable text magnification.	
			Configuration		Color Duration		—	—	Detailed settings for text display.	
		Screen reader	Enable		On / Off		Off	Allow	Enable voice readout (limited function version).	
			Configuration		—		—	Allow	Detailed settings for voice readout (limited function version).	
		About	System software update	Software update		Search and update the version		—	—	Check the monitor's software version & update.
				Automatically check for update		On / Off		Off	—	Enable automatic software update.
			Device name				—	—	—	
			Factory data reset	Erase data from internal shared strage		Erase everything / Cancel		—	—	—
				Status		Check current status		—	Allow	Check current status.
			Legal information		Third Party Source Google legal System WebView licenses Consumer Information Sony legal End user license agreement		—	—	Check legal information from the list.	
	Model		Display monitor model name		—	—	Display monitor model name.			
	Android TV OS version				—	—	—			
	Android TV OS security patch level		Display Android TV OS security patch level		—	—	Display Android TV OS security patch level.			
	Kernel version		Display kernel version		—	—	Display kernel version.			
	Automatic date & time		On / Off		—	—	Enable automatic date and time setting.			
	Android TV OS build		Display build.		—	—	Display build.			
	Automatic date & time		On / Off		On	—	Enable automatic date and time setting.			
	Date & Time		Set date				—	—	—	
		Set time				—	—	—		
		Set time zone		Select time zone (area)		—	—	Select time zone (area).		
		Use 24-hour format		On / Off		On	—	Enable 24-hour format.		
		Auto clock display		On (always) / On (every hour) / Off		Off	—	Enable automatic clock display.		
				Select language		—	—	Select GUI language.		
	Language	Current keyboard				—	—	—		
		Gboard Settings	Gboard Settings		Current version Languages Terms of service Privacy policy Open source licenses Share usage statistics		—	—	Detailed settings for Gboard.	
							—	—	—	
		Physical keyboard		Available when a physical keyboard is connected		—	—	Enable physical keyboard.		
	Storage	Manage keyboards		Select from available virtual keyboard list		—	—	Enable virtual keyboard.		
		Internal shared storage (except for system area)		Display internal storage capacity		—	—	Display internal storage capacity. When devices such as USB drives are connected, their capacity can also be checked.		
		Delete demo content				—	—	Delete retail demo content to increase available memory.		
		REMOVABLE STORAGE				—	—	—		
	Home screen	Customize channels		Play Next		On / Off	On	—	Enable "Next recommendations" display.	
		Enable video previews				On / Off	On	—	—	
		Enable audio previews				On / Off	On	—	—	
		Reorder apps		On / Off		On	—	Select an app and press [OK], then use the directional buttons to move the selected app's position, and press [OK] again to place it in the specified location.		
		Reorder games				—	—	Select an app and press [OK], then use the directional buttons to move the selected app's position, and press [OK] again to place it in the specified location.		
		Android TV Home				—	—	—		
	Screen saver	Android TV Core Services		Display license		—	—	—		
		Screen saver		Sleep / Backdrop / Colors / Living Décor		Backdrop	—	—		
		When to start		5 minutes / 10 minutes / 15 minutes / 30 minutes / 1 hour / 2 hours		15 minutes	—	—		
	Power & Energy	Start now				—	—	—		
		Energy saver	Turn off display after		15 minutes / 30 minutes / 1 hour / 2 hours / 4 hours / 8 hours / 12 hours / 24 hours / Never		4 hours	Allow	—	
			Allow the display to turn off while watching		On / Off		On	Allow	—	
			Auto power saving mode		On / Off		Off	—	—	
			Power saving		Power saving effect Low Start power saving after		Off	Allow	—	
		No signal power off		On / Off		On	Allow	—		
	Cast	Control cast media from other devices		Always / While casting / Never		While casting	Allow	—		
	Restart	Restart				—	—	—		
	Parental controls	Channels & External input	Restrict watching		Security PIN code entry settings: On/Off		Off	—	—	
			External input block		HDMI1 / HDMI2 / HDMI3(eARC/ARC) / HDMI4 / AV		—	—	—	
		Apps	Restrict apps		Security PIN code entry settings: On/Off		tj	—	—	
			Restrict screen time		Security PIN code entry settings: On/Off		tj	—	—	
			Usage time limit		1 hour / 2 hours / 3 hours / Custom		—	—	—	
			Restricted time slot		Time settings		—	—	—	
			Repeat		Select by day of the week		Every day	—	—	
			Change PIN				—	—	—	
	LED indicator	Operational response		On / Off		On	Allow	—		
	Sound	System sounds		On / Off		On	Allow	—		
	Apple AirPlay&HomeKit settings	Apple AirPlay & HomeKit settings	AirPlay		On / Off		On	Allow	—	
			Require Code		First Time Only / Every Time / Use Password Instead		First Time Only	Allow	—	
			Reset		—		—	—	Reset paired devices	
			Subtitles and Captioning		Closed Captions and SDH Font Size Font Color Background Color Opacity Text Opacity Text Edge Style Text Highlight		—	—	—	
	Initial setup					—	—	—		
	Remotes & Accessories	Bluetooth		On / Off		On	Allow	—		
		Pair accessory				—	Allow	—		
		Remote control	Connect via Bluetooth				—	—	—	
			Software update				—	—	—	
	RS232C control			Off / Via HDMI port / Via serial port		—	Allow	—		

Android TV OS 9

Settings are based on the worldwide model. Some settings may differ from EU RED-DA compliant models and China-specific models.

Item				Options		USB Export	Description	
Info banner				On / Off		—	Display programme information when channel is changed. default: On	
External inputs	External inputs [HDMI 1 - Screen mirroring]: Configure show/hide and name for each input.	HDMI 1	Show this input	On / Off	—	—	Show/hide and label inputs. default: On	
			Named	—	—	Assign a name.		
		HDMI 2	Show this input	On / Off	—	—	Show/hide and label inputs. default: On	
			Named	—	—	Assign a name.		
		HDMI 3 (ARC)	Show this input	On / Off	—	—	Show/hide and label inputs. default: On	
			Named	—	—	Assign a name.		
		HDMI 4	Show this input	On / Off	—	—	Show/hide and label inputs. default: On	
			Named	—	—	Assign a name.		
	AV/Component	Show this input	On / Off	—	—	Show/hide and label inputs. default: On		
		Named	—	—	Assign a name.			
	BRAVIA Sync settings	BRAVIA Sync control		On / Off	Allow	BRAVIA Sync device control. When set to [On], linking with connected devices is enabled.		
		Auto devices off		On / Off	Allow	When the monitor power is turned off, HDMI-connected devices also turn off.		
		Auto TV on		On / Off	Allow	When an HDMI-connected device is operated, the monitor power turns [On].		
		BRAVIA Sync device list		—	Allow	List display of connected BRAVIA Sync devices.		
		Device control keys		None / Normal / Tuning keys	Allow	Settings for remote control buttons used to operate BRAVIA Sync devices.		
	HDMI signal format			Standard format / Enhanced format		Allow	Select signal format for HDMI inputs. Displays High-Quality HDMI signals. Select this option only if your device supports High-Quality HDMI formats such as: 4K 60p 4:2:0 10bit, 4:4:4 4:2:2. default: Standard format	
	HDMI 4			Auto / HDMI 4 / HDMI 4 AUDIO IN		Allow	Select audio source for HDMI 4.	
Display & Sound	Basic	Picture mode		Vivid / Standard / Cinema / Game / Graphics / Photo / Custom		Allow	—	
		Reset picture settings		—		Allow	—	
		Auto picture mode		On / Off		Allow	—	
		Light Sensor		On / Off		Allow	—	
		Brightness	Brightness	Auto / High / Medium / Low / Off		Allow	Adjust the luminance level of the panel.	
			Contrast	Auto / High / Medium / Low / Off		Allow	Adjust the brightness by controlling the signal range.	
			Gamma	Auto / High / Medium / Low / Off		Allow	Adjust the light and dark balance by controlling the middle range luminance while maintaining white and black levels.	
			Black level	Auto / High / Medium / Low / Off		Allow	Mainly adjusts the picture's black level by controlling signal level.	
			Black adjust	Auto / High / Medium / Low / Off		—	Enhances the black by analyzing the luminance level of the picture in real time and automatically adjusting the dark levels.	
			Adv.contrast enhancer	Auto / High / Medium / Low / Off		Allow	—	
			Auto local dimming	Auto / High / Medium / Low / Off		Allow	—	
			X-tended Dynamic Range	Auto / High / Medium / Low / Off		Allow	—	
		Colour	Color	—		Allow	Adjusts saturation.	
			Hue	—		Allow	Shifts color tone toward red/green direction.	
			Color temperature	Cool / Neutral / Warm / Expert 1 / Expert 2		Allow	djusts color temperature.	
			Live Color	High / Medium / Low / Off		Allow	Corrects color vividness for each color.	
		Clarity	Sharpness	Min~Max (0~100)		Allow	Adjusts the picture detail by emphasizing edges and details of objects and people in the picture, as well as controlling noise balance.	
			Reality Creation >Reality Creation	Auto / Manual / Off / Resolution		Allow	Enhances the detail of the video by performing Super Resolution processing and noise reduction while analyzing the picture in real tim	
			Reality Creation > Resolution	—		Allow	—	
			Random noise reduction	Auto / High / Medium / Low / Off		Allow	Reduce dot noise and color noise that tends to appear in dark areas of the screen.	
			Digital noise reduction	Auto / High / Medium / Low / Off		Allow	Reduce noise seen around letters and compression noise, such as block noise.	
		Motion	Motionflow	Auto / Custom / Off		Allow	Adjusts smoothness using frame interpolation. Smoothness and clarity can only be set in Custom mode.	
			Smoothness	—		Allow	Adjusts the strength of smoothness by using frame interpolation on the input video.	
			Clearness	—		Allow	Adjusts the strength of clarity by inserting a black frame to reduce motion blur.	
		Film mode		Auto / Off		Allow	Detects video of films and other content and optimises picture quality using IP (Interlaced-Progressive) conversions and frame interpolation.	
		Video signal	HDR mode	Auto / HDR10 / HLG / Off		Allow	Set the input's HDR type. Typically set to [Auto].	
			HDMI video range	Auto / Full/ Limited		Allow	Set the HDMI input signal's dynamic range. Typically set to [Auto].	
			Colour space	Auto / sRGB/BT.709 / DCI / Adobe RGB / BT.2020		Allow	Set the input signal's colour space. Typically set to [Auto].	
			Reset	—		—	Return [Adv.colour temperature: Basic] and [Adv.colour temperature: Multi point(10p)] settings to factory default	
		Adv.colour adjustment	Adv.color temperature : Basic	R-Gain G-Gain B-Gain R-Bias G-Bias B-Bias Reset		Allow	—	
			Adv.color temperature : Multi point (10p)	Colour gamma adjustment points R-Offset G-Offset B-Offset Reset		Allow	This function is for advanced users and requires professional picture calibration tools. 10 adjustment points are available to alter pixel drive at 10 input signal levels.	
		Screen	Wide mode		Auto / Wide zoom / Normal / Full / Zoom		Allow	Adjust the picture size. Default value is depending on signal.
			4:3 default		Wide zoom / Normal		Allow	Automatic sizing for 4:3 pictures.
			Auto display area		Auto / Off		Allow	Automatically adjusts the viewable screen area based on the signal. Default value is depending on signal.
			Display area		+1 / Nomal / -1		Allow	Adjusts the viewable screen area.
			Screen Position		Vertical / Horizontal		Allow	Adjust the vertical and horizontal screen position.
			Vertical Size		—		Allow	Stretch the picture vertically.
		Sound	Input-specific > Sound customisation	Surround	Auto / On / Off		Allow	Virtually reproduce realistic surround sound.
				Surround effect	—		Allow	Adjusts the surround sound effect.
				Equaliser	—		Allow	Adjust sound based on different frequencies.
				Dialogue enhancer	—		Allow	Emphasise voice.
			Input-specific > Volume level	Volume offset	—		Allow	Adjust the sound level of the current input relative to other inputs.
				Dolby Dynamic Range	Standard / Compressed		Allow	Compensates for audio level differences between channels (only for Dolby Digital audio).
			Common	Advanced auto volume	Auto / Off		Allow	keep the volume level constant for all programmes and inputs.
				Balance	On / Off		Allow	Adjust the speaker balance.
				TV position	Table-Top Stand / Wall Mount		Allow	Chooses optimal TV sound based on the position of your TV. Default value is depending on Initial Setup.
	Audio output		Speakers		TV speakers / Audio system		Allow	—

	Audio system prioritisation		On / Off	Allow	Output sound from BRAVIA Sync compatible external speakers if detected when the TV is powered on.		
	Home theater control		—	Allow	Turns your audio system on, and allows you to control it.		
	A/V sync		Auto / On / Off	—	Adjust audio and video timing while using a Bluetooth A2DP audio devices or a specific audio system connected with HDMI cable.		
	Digital audio out		Auto1 / Auto2 / PCM	—	Select the audio format for the audio system connected with HDMI or optical digital cable. Available when [Speakers] is set to [Audio system].		
	Digital audio out volume		On / Off	Allow	Applied for PCM only. The volume levels between PCM and compressed audio will differ.		
	Dolby Digital Plus output		Dolby Digital Plus / Dolby Digital	—	Select output for Dolby Digital Plus for audio systems supporting Dolby Digital Plus and ARC. If you use ARC and optical audio out, select [Dolby Digital].(Dolby Digital Plus will be musted over optical audio out.)		
	Pass through mode		Auto / Off	Allow	Pass through intended audio signals automatically. Select this setting when you want to output signals like DTS, etc.		
Network & Internet	Wi-Fi		On / Off	Allow	—		
	Available networks			—	—		
	Other Options	Add new network			—	—	
		Scanning always available		On / Off	—	Scan for networks with Google location services and other apps even when Wi-Fi is off.	
	Ethernet	Not connected/connected			—	—	
		Proxy settings			Allow	—	
		IP settings			Allow	—	
		Network status			—	—	
		Wi-Fi Direct	Wi-Fi Direct settings			—	Set up Wi-Fi Direct and Screen mirroring. Connect TV directly with Wi-Fi supported devices.
			Show device list/Delete			—	—
		Remote start		On / Off	Allow	Allows a mobile device to power on the TV from standby mode. This may increase standby power consumption.	
		Remote device settings	Control remotely		On / Off	—	Let registered remote devices control this TV. Default: On
			Deregister remote device			—	Deregister remote devices to turn off TV control
		Home network setup	Server diagnostics			—	Set up home network connections. Check for servers and view server status.
			Renderer function		On / Off	Allow	Turn this on to allow you to view photos or play music from compatible devices on your TV.
			Renderer access control		On / Off	—	Select whether to automatically allow or black access from new devices.
		IP control	Authentication			Allow	This may consume more energy during standby mode.
			Pre-Shared Key			Allow	—
			Simple IP control		On / Off	—	default value: Off
			Control4®		On / Off	Allow	default value: Off
Accounts & Sign-In Apps	Sign-In			—	Sign in to get new apps, recommendations, movies and more form Google.		
	See all apps			—	—		
	App permission			—	—		
	Special app access	Energy optimisation			—	Optimise energy use of apps	
		Usage access			—	Usage access allows an app to track which other apps you're using and how often, as well as your operator, language settings and other details.	
		Notification access			—	These apps will be able to read all notifications, including personal information, such as contact names and the text of messages that you receive. They will also be able to dismiss notifications or trigger action buttons that they cantaion.	
		Display over other apps			—	Allow an app to display on top of other apps that you're using. It may interfere with your use of those apps or change the way they seem to appear or behave.	
		Modify system settings			—	This permission allows an app to modify system settings	
		Picture-in-Picture			—	Allow apps to create a picture-in-picture window while the app is open or after you leave it(for example, to continue watching a video). This window displays on top of other apps that you're using.	
		Directory access			—	These apps have permission to access certain directories.	
		Device Preferences	About	System software update	Software update		—
	Automatically check for update				On / Off	—	Notify you when the latest software becomes available. Default: Off
	Device name				—	—	
	Restart				—	—	
	Status			IP address MAC address Bluetooth address Serial number Uptime	—	Network, serial numbers and other information.	
Legal information				Open-source licences Google legal Sony legal Notices and licences System WebView licences Wallpaper Ads	—	—	
Model					—	—	
Version					—	—	
Android security patch level					—	—	
Kernel version					—	—	
Build			—	—			
Date & time	Automatic date & time		On / Off	—	—		
	Set date			—	—		
	Set time			—	—		
	Set time zone			—	—		
	Use 24-hour format		On / Off	—	default: On		
Language			—	—			
Keyboard	Current keyboard			—	—		
	Gboard Settings	Current version			—	—	
		Langauges			—	—	
		Terms of Service			—	Display the terms of service (webpage).	
		Privacy Policy			—	Display the privacy policy (webpage).	
		Open-source licences			—	Licence details for open-source software	
		Share usage statistics			—	Automatically send keyboard usage statistics to Google	
	Physical keyboard			—	Available when physical keyboard is connected		
	Manage keyboards			—	—		
	Sound	System sounds		On / Off	—	default: On	
Storage	Device storage			—	—		
	Delete demo content			—	—		
Home screen	Channels	Customise Channels>Play Next		—	Customise your Play Next channel		
		Customise Channels>Home screen channels		—	Select which channels appear on the Home screen. Empty channels will not be shown.		
		Enable video previews		On / Off	—		
		Enable audio previews		On / Off	—		
Apps	Reorder apps			—	Select which apps to include in search results.		
	Reorder games			—	—		
Open-source licences	Android TV Home			—	—		
	Android TV Core Services			—	—		
Google Assistant	Accounts			—	—		
	View permissions			—	Select the apps to display in search results.		
	Searchable apps		On / Off	—	default: Off		

	SafeSearch filter		On / Off	—	default: Off	
	Block offensive words			—	—	
	Open-source licences			—	—	
	Open-source licences			—	—	
Chromecast Android SH	Version number			—	—	
Screen saver	Screen saver		Sleep / Backdrop / Colours	—	Select a background for [Screen saver]. When [Sleep] is selected, set when to turn off the display in [When to start].	
	When to start		15 minutes / 30 minutes / 1 hour / 2 hours	—	Select a period of inactivity before [Screen saver] begins. If [Sleep] is selected, the display will turn off.	
	Put device to sleep		15 minutes / 30 minutes / 1 hour / 2 hours / 4 hours / 8 hours / 12 hours / Never	—	Disabled when "Sleep" is selected in the "Screen saver" menu.	
	Start now			—	Disabled when "Sleep" is selected in the "Screen saver" menu.	
Location	Location status		Use Wi-Fi to estimate location / Off	—	default: Off	
	Recent location requests			—	—	
Usage & Diagnostics	Usage & Diagnostics		On / Off	—	Automatically send diagnostic information to Google, such as crash reports and usage data from your device, app and Chromecast built in. This information won't be used to identify you. You can adjust these permissions at any time from device settings. Find out more at g.co/AndroidUsageHelp and g.co/cast/device_stats.	
Security & restrictions	Unknown sources			—	default: Off	
	Verify apps		On / Off	—	Allow installation of apps from sources other than the Play Store.	
	Restricted profile		Create restricted profile	—	Disallow or warn before installation of apps that may cause harm.	
Accessibility	Subtitle settings	Streaming & other content		On / Off	—	
		>Display			—	
		Streaming & other content		Language / Text size	—	
		>Display options		White on black / Black on white / Yellow on black / Yellow on blue / Customised	—	
	>Subtitle style				—	
	High contrast text		On / Off	—	—	
	Text to speech	Preferred engine			—	—
		>Google Text-to-speech engine			—	—
		Preferred engine		Language Settings for Google Text-to-speech engine Install voice data	—	Install the voice data required for speech synthesis
		>Engine configuration		Speech rate Listen to an example Default language status	—	English (United Kingdom) is fully supported
	Accessibility shortcut	Enable accessibility shortcut		On / Off	—	When the shortcut is on, you can press the MUTING button for 3 seconds to start an accessibility feature.
		Shortcut service		TalkBack / Switch Access / Text magnification / Screen reader	—	default: Screen reader
	Services	Talk Back			—	—
		Switch Access			—	—
Text magnification			—	—		
Screen reader			—	—		
Reset	Factory data reset			—	This will erase all data from your device's internal storage, including: your Google account, system and app data and settings and downloaded apps	
Erase data from internal shared storage			—	—	—	
Parental controls	Channels & External inputs				Set restrictions on ratings, channels, and external inputs.	
	Apps			—	—	
	Change PIN			—	—	
LED indicator	Operational response		On / Off	Allow	Lights up when a remote control is in operation.	
Power	Power saving		Off / Low / High	Allow	—	
	Idle TV standby		15 minutes / 30 minutes / 1 hour / 2 hours / 4 hours / 8 hours / 12 hours / 24 hours	Allow	Automatically turns off the TV after a set period of inactivity.	
	Auto shut-off		On / Off	Allow	TV automatically turns off if no signal is detected for 15 minutes.	
Apple AirPlay & HomeKit	AirPlay		On / Off	—	default: On	
	Require Code	Require Code		First Time Only / Every Time / Use Password Instead	—	default: First Time Only
		Reset		Reset Paired Devices	—	default: On
	Subtitles and Captioning		Closed Captions and SHD	On / Off	—	—
	TEXT	Font		San Francisco / Helvetica / Cinecav X / Menlo / Lucida Grande / Avenir / COPPERPLATE / Savoye	—	—
		Video Override		On / Off	—	Use the font font specified in the video.
	Size	Size		Small / Medium / Large / Extra Large	—	default: Medium
		Video Override		On / Off	—	Use the font size specified in the video.
	Font Colour	Font Colour		White / Cyan / Blue / Green / Yellow / Magenta / Red / Black	—	default: White
		Video Override		On / Off	—	Use the font color specified in the video.
	Background Colour	Background Colour		Black / White / Blue / Red / Green / Cyan / Yellow / Magenta	—	default: Black
		Video Override		On / Off	—	Use the opacity specified in the video.
	Opacity	Opacity□		50% / 100% / 75% / 25% / 0%	—	default: 50%
		Video Override		On / Off	—	Use the font size specified in the video.
	Text Opacity	Text Opacity		Opaque / Semi-Transparent / Transparent	—	default: Opaque
		Video Override		On / Off	—	Use the text opacity specified in the video.
	Text Edge Style	Text Edge Style		None / default value / Drop Shadow / Raised / Depressed / Uniform	—	default:None
		Video Override		On / Off	—	Use the text edge style specified in the video.
	Text Highlight	Text Highlight		Black / White / Blue / Red / Green / Cyan / Yellow / Magenta	—	default: White
		OPACITY		0% / 25% / 50% / 75% / 100%	—	default: 50%
		Video Override		On / Off	—	Use the text Highlight specified in the video.
	About AirPlay	AirPlay Version		—	—	—
		AirPlay Logging		—	—	—
		Analytics		—	—	—
		Acknowledgements		—	—	—
	Set Up HomeKit		—	—	—	Easily and securely control this TV using the Home app, Siri, or from Control Centre on your Apple devices.
Initial setup						

Remotes & Accessories	Bluetooth	Bluetooth		On / Off	Allow	default: On
		Registered devices		Bluetooth devices / Add devices	—	Disabled when Bluetooth is set to "Off".
	Remote control	Connect via Bluetooth			—	This will enable the full functionality of your TV remote control.
		Software update			—	—
	RS232C control	RS232C control		Off / Via HDMI port / Via serial port	Allow	Control function for professional use. If you change this setting, the TV will restart automatically.
	Timers	On timer	Timer	On / Off	—	Set the TV to turn on and off automatically. default: Off
			Day	Every day / Every Mon-Fri / Sun / Mon / Tue / Wed / Thu / Fri / Sat / Every Sunday /Every Monday / Every Tuesday / Every Wednesday/ Every Thursday /Every Friday / Every Saturday	—	Available when [Timer] is set to [On].
			Time		—	Available when [Timer] is set to [On].
			Duration		—	Available when [Timer] is set to [On].
			Inputs		—	Select the input at TV power on.
			Volume setup	0-100	—	Available when [Timer] is set to [On].
		Sleep timer		120 min / 90 min / 60 min / 45 min / 30 min / 15 min /	—	default: Off
	RC Option Key Menu	Quick Settings			—	Change picture/sound related settings quickly. Select [Edit] to add favourite settings.