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6

Digital TV



Basics

934SH supports One Seg terrestrial digital television broadcast services developed for mobile devices in Japan.

Watch Live Television

Set up a channel list for your service area to access available programming. Capture screenshots while watching TV.

Multi Job

Watch TV in one half of Display using the other to access messaging functions, browse the Internet or open Phone Book, etc.

TV Listing (EPG) & Program Info

Find program channels and times, or open program details via current channel's schedule.

View Data Broadcasts

In addition to audio and visuals, enjoy text, program-related information and interactive services.

Record Shows/Time Shift

Record current program for later viewing on handset; if interrupted by incoming calls while watching TV, record it temporarily for delayed playback.

Reserve TV Programs

Record a show or activate TV at a specified time; enter dates & times manually or reference TV Listing electronic program guide.

Precautions

- 934SH TV is exclusively for use in Japan.
- Do not use TV while driving or cycling. Accidents may result. Phone use while driving is prohibited by the Road Traffic Law (revised November 1, 2004). When walking, always pay attention to your surroundings, especially near road/rail crossings, etc.
- When using TV while charging battery, separate AC Charger and Antenna to avoid interference.
- Call transmissions, incoming messages or mobile phone use in the immediate vicinity may affect audiovisual quality.
- Programming may not be viewable or record properly when:
 - Too far from or too close to broadcasting stations
 - In mountainous areas or near tall buildings
 - Aboard trains or in moving vehicles
 - Near high-voltage lines, neon lights or wireless base stations
 - Near railroad tracks or highways
 - Anywhere a jamming signal is broadcast/reception is unstable



Area Setup

When activating TV for the first time, follow these steps to set up channels by area:





Setup confirmation appears.





Select region **→** ●





After setup, channel list appears.





• To watch TV. select Digital TV and press .

Watching TV without Completing Area Setup In ⓒ, No Preference ▶ ⑥ **Adding Reception Areas** Set Area Info → ● From ⑤

Digital TV Antenna

TV Antenna is located behind Display. Move handset to find best reception.







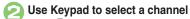
Watching TV

Complete Area setup first.





TV Window



- Use to switch channels one by one; Long Press to find channel with stable signal automatically.
- ③ → *Yes* → → TV ends

Watching TV in Portrait Position

- Data Broadcast text appears below TV image. **Incoming Calls**
- Press 🗈 to answer calls.

When Answering Voice Calls with Memory Card Inserted

 Current program is temporarily recorded; start playback after the call. (Time Shift)

Incoming Messages

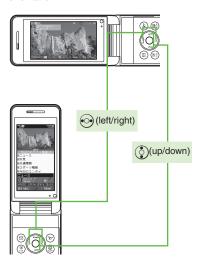
 Double beep sounds and New Message notice appears. Long Press (a) to access messages.

Key Assignments

Open Options Menu	
Toggle Panel On/Off	\$27)
Activate TV/Change Area	(E)
Volume Control	4 b
Toggle Display Size (portrait)	(3) (§)

Multi Selector

Multi Selector response changes with TV orientation.







Panel Description



4 - ニュース	
2 B Tokyo 23 H *** ·16	<u> 6</u>
T CHAINET TO DO	₈ – 3
Dotions Panel	8

Ш	Area name	5	Station name
2	Channel key	6	Signal strength*
3	Channel	7	Sound Channel
4	Program name	8	Volume

The more bars the better. Indicator position varies with display content, etc.

Data Broadcast (Japanese)

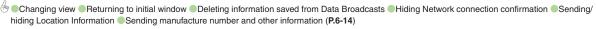
In portrait position, Data Broadcast text appears below TV image. Use 1 to select an item and press 1 to access program-related information and interactive services.



Data Broadcast Window

Data Broadcast Fees

- Data Broadcast information viewing is free, however, using data links/related services incurs Internet connection fees.
- A confirmation appears the first time a fee-based Network connection is established from a channel; if accepted, further Network connections are established without confirmation until the channel is changed.





Capturing Screenshots

- Capture screenshots while watching TV. (May be unavailable if TV was activated by TV Timer. etc.)
- Saved images cannot be forwarded, edited. set as Wallpaper or attached to messages.



In TV window,



Opening Saved Images

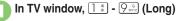
- While Watching TV

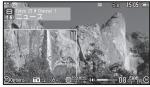
 - Select image **→**
- From Standby
 - **TV → O → TV-Image Folder**
 - **→** Select image **→** •

Enlarging Image Portion

In landscape position, temporarily enlarge a portion of widescreen image.

May be unavailable depending on viewing style.





• Key Assignments:

3 a	(4 m)	9 % wxx2
Upper left	Upper center	Upper right
2Left	5 E Center	8. [®] Right
1 *	4 to	7 *
Lower left	Lower center	Lower right



Obtaining Program Information

Find program channels and times, or open program details via current channel's schedule.

TV Listing	Start EPG S! Application to find program channels and times for specified area
Program Info	Open program details via current channel's schedule set Reservations to record shows or activate TV

TV Listing (Japanese)



In TV window, (Long)

- EPG application starts; refer to the application's help menu for operational instructions.
- When using EPG application for the first time, a confirmation appears.
 Follow onscreen instructions.

Program Info

- In TV window, ^図 **→** *OperateProgram* **→**
- Program Info. ▶ •



Program Info Window



Setting Recording Timer via Program Info [Program Info Window] Select

program → ♥ → ●

Timer entries set via Program Info are updated with program changes automatically. Program cancellations cancel corresponding Timer entries. (Poor signal conditions may

inhibit updates or cancellations.)



Recording Programs

Clip is saved to handset (or Memory Card, if inserted).

Precautions

- Saved files cannot be forwarded or attached to messages.
- 934SH encryption technology prevents unauthorized copying or playback of Memory Card files through data encryption and authentication. Files copied from Memory Card to other cards on PC are unplayable.
- Copyright laws limit duplicated material to private use only, and prohibit unauthorized reproduction/other use.
- SoftBank is not liable for any damages resulting from accidental loss or alteration of recorded content.

Dubbing 10

 934SH supports Dubbing 10 copy protection scheme that allows recordings to be copied from handset to Memory Card.
 Open file properties to check the remaining number of copies allowed to be made.

In TV window, ● (Long) ▶ Recording starts



Recording Window

- Changing volume, etc. does not affect recordings.
- When Small Light flashes yellow, reception is poor; change location to improve it: Small Light illuminates green for moderate, or blue for strong reception.



Recording Programs in Portrait [TV Window] (Long)

- To stop, Long Press while recording.

 Chase Play (Playing while Recording)

 In recording window, ③ (Long) →

 Playback starts → ② (Long) →

 Playback stops
- Watch a program from the beginning while recording it on Memory Card.
 Memory/Battery Runs Low or Video Call/S! Circle Talk Request is Accepted
- Recording stops. (Recorded clip is saved.)
 Saving Files via the Internet while Recording
- While recording programs to handset, confirm there is enough free memory before saving files.



Playing Recorded Programs





Video List

• 🗯 indicates the file is unplayable.





Playback Window

 Playback starts. (The last played file plays from where it stopped.)



Major Playback Operations

Adjust volume or temporarily enlarge a portion of widescreen image following the same operations used while watching TV.

came operations accuming transming tra		
Fast Forward	⊙ ¹	
Rewind	⊙ 1, 2	
Skip Forward	# %	
Skip Backward	X man	
Pause ³	(by in portrait)	
Split File	(Long) ⁴	
Set Marker	- 4	
Toggle Panel	(II)	
On/Off		

¹Each press increases speed. To resume normal playback, press (y) in portrait).

Advanced

Splitting files by specifying a time point Playing files repeatedly Playing split files Playing video files transferred from Blu-ray Disc recorders Checking memory status Renaming files Deleting files Copying files to Memory Card Opening file properties Playing files with Markers (And more on P.6-16 - 6-17)



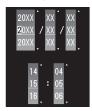
²Long Press to replay. (Available when no Marker is saved.)

⁴Not available during Time Shift playback.

TV Timer & TV Recording Timer



Manual → ● Programming or Recording → ●



Enter start date/time → ●
 Enter end date/time → ●

Channel: → ● → Select channel → ● → ∞

 If a confirmation appears, read the message and press .

Setting Timer via EPG

In ⓒ, From TV Listing ▶ ◉

Refer to the application's help menu for operational instructions.

Timer Recording Precautions

Confirm target channel reception; keep handset open.

- End the current operations.
- Confirm battery is adequately charged and there is enough free memory.

When TV is activated for Timer recording, audio output is redirected to Speaker/
Headphones even if Sound Output is set to *Bluetooth Device*. (TV audio is muted.)

At Timer Time (TV Alarm Time)

TV and Alarm activate. Alarm ends after the set duration.

Reservation time for watching TV will come soon.

Recording starts slightly before the Timer start time and ends a few seconds after the Timer end time

While Using Another Function

 TV activates via Multi Job and target program/recording starts. However, if Multi Job cannot activate in the current state, TV may remain off, or the current function may end automatically (unsaved images, messages, Phone Book entries, etc. may be deleted). End all active functions/applications before Timer time.



Time Shift Recording & Playback

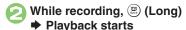
Record current program temporarily for delayed playback.

- Recorded content is deleted after playback.
- Insert Memory Card first.





Recording in progress



- Playback starts from where recording was started.
- Recording and playback stop when Time Shift playback has caught up to the real-time program.

Major Playback Operations

Fast Forward	⊙ *
Skip Forward	# 07
Skip Backward	¥ more +2

*Press

to resume normal Time Shift playback.

Time Shift Recording Automatic Activation

When a Voice Call is answered while watching TV with Memory Card inserted, Time Shift recording starts automatically; Long Press (29) after the call for playback.



Area & Channel

Area & Channel	
Switching reception Areas	While watching TV, [®] → Select Area → ●
Renaming Areas	While watching TV, ⊜ → Set Channels → ● Change Area → ● → Select Area → ⊝ Change Area Name → ● Enter name → ●
	Start Here While watching TV, → Set Channels → Channel Key Setting → → See below
Changing/disabling function	Toggling All Receivable Channels By Manual
	Disabling Disable ● ●
Editing channels	Start Here While watching TV, ⊚ → Set Channels → ● → CH Switch → ● → Select channel → ⑤ → See below
	Switching Channel Positions Flip → ● Select target key → ●
	Deleting Channels Delete → ● → Yes → ●
Deleting all channels in Area	While watching TV, ⊜ → Set Channels → ● Change Area → ● → Select Area → ⊜ → Reset Settings → ● → Yes → ●
Adding new channels to Area	While watching TV, (□) ▶ Set Channels ▶ ● Change Area ▶ ● ▶ Select Area ▶ ⊕ Channel Update ▶ ● ▶ Update Further ▶ ●
Updating all channels in the Area	While watching TV, (□) → Set Channels → (●) → Change Area → (●) → Select Area → (□) → Channel Update → (●) → Update All → (●) → Yes → (●)

Watching

_	
Viewing key assignments	While watching TV, ⊗ ⇒ Help ⇒ ● • Also available while recording or playing programs.
accigimiento	
Searching for	While watching TV, (☑) → OperateProgram → ●
current program	→ Program Info. Search → ● Search → ●
on the Internet	Follow onscreen instructions.
Canceling image	While watching TV, ⊚ → AV Settings → ●
smoothing	Smooth Mode → ● → Off → ●
Saving current channel	While watching TV, → Save Channel → → Select key → ● • To overwrite a saved channel, choose Yes and press ●.
Selecting an audiovisual mode	While watching TV, ⊚ → AV Settings → ♠ AV Mode → ● → Select mode → ● TV reception time may shorten depending on the mode.

	Start Here While watching TV, → AV Settings → O AV Settings → Change AV Mode (select mode other than Link to Genre) first.
	Brightness Image → ● → Brightness → ● → Adjust level → ●
A discaling a surrough	Disabling/Enabling Brightness Adjustment via Light Sensor Image ■ Brightness ■ □ (□/☑) ■ ■
Adjusting current AV Mode parameters	Adjusting Brightness Automatically by Scene Image
	Other Image-Related Parameters Image → ● → Select item → ● → Adjust Ievel → ● • Adjust Contrast, Blackness (black level), Color (color density), Tint (skin color tone) and Sharpness.
	Restoring Default Image Settings Image Reset
	Selecting Sound Option Tone Select option Output Outpu
Changing panel pattern in portrait position	With TV in portrait, ② → Advanced → ● → Panel Type → ● → Select pattern → ●

Customizing viewing options for landscape position	Start Here With TV in landscape, (□) → Advanced → • Set Landscape → • • See below
	Showing Indicators Always Display Icon
	Disabling Partial Image Enlargement Magnify Area
	Using Portrait Position Key Assignments Key Direction
Switching One Seg service	While watching TV,
Listening to audio from Speaker	While watching TV, ⊚ → Advanced → ● → Sound Output → ● → Loudspeaker → ●
Switching audio output to wireless device	→ TV → → Settings → → Sound Output → → Bluetooth Device → ●
Using wireless Headphones	While watching TV, (a) (Long) • Pair SCMS-T DRM scheme compliant Bluetooth headphones beforehand.
Setting TV to end automatically after a period of time	While watching TV, ⊚ → Advanced → ● → Auto Exit → ● → Auto Exit Time → ● Select time → ●
Disabling auto shut-off when handset is closed	While watching TV, ⊚ → Advanced → ● → Auto Exit → ● → Close Action → ● → Watch TV → ●



	Start Here
Changing handset responses to	Showing Alarm Notice Alarm
incoming transmissions	Showing Calls or S! Circle Talk Requests Select item
	Showing New Message Window Incoming Message

Data Broadcast

Changing view	With Data Broadcast in portrait, ⊚ → Set Broadcast Data → ● → Change View (Data) → ● To return to TV window, press ⊙.
Returning to initial window	With Data Broadcast in portrait, ⊚ → Set Broadcast Data → ● → Back to Top → ●
Deleting information saved from Data Broadcasts	Start Here While watching TV,
	Deleting by Station Select station
	Deleting All ③ → Delete All → ● ➤ Enter Handset Code → ● → Yes → ●
Hiding Network connection confirmation	While watching TV, ⓐ → Set Broadcast Data → ● → Notify Connection → ● → Off → ●

	Start Here While watching TV, → Set Broadcast Data → → Location → → See below
Sending/hiding	Sending Always
Location Information	On ⇒ ●
	Hiding Always
	Off ⇒ ●
Sending	
manufacture	While watching TV, ⊚ → Set Broadcast Data →
number and other	Manufacture Number On On
information	

TV Link (Japanese)

Saving links to Data Broadcasts or related information	While viewing Data Broadcast, select link source ● ● Link navigation varies by program. Follow onscreen instructions to save links.
Using TV links	Start Here ● → TV → ● → TV Link → ● → See below
	Opening TV Links Select link • • Connection fees may apply.
	Opening Properties Select link ⇒ ⊗ ⇒ Details ⇒ ●
Deleting TV links	Start Here ● → TV → ● → TV Link → ● → See below
	One Entry Select link ⇒ ⊗ ⇒ Delete ⇒ ● → Yes ⇒ ●
	All Entries ③ → Delete All → ● → Enter Handset Code → ● → Yes → ●



Subtitle & Sound Sound ⇒ (•) ⇒ See below • May be unavailable depending on program content or viewing style (TV orientation, etc.). **Showing Subtitles Always Hiding Subtitles Always** Display Subtitle ⇒ ● → Off ⇒ ● Changing subtitle Changing Subtitle Language settinas **Showing Subtitle Area Always** Showing Subtitles at the Top Subtitle Position ⇒ ● Upper ⇒ ● Increasing Subtitle Lines Subtitle ScrollMode ⇒ ● On ⇒ ● Sound ⇒ • See below Selecting Sound Option **Changing sound** • Available when multiple sounds are supported. settings Listening to Sub Language Sound Channel ⇒ ● Sub ⇒ ● Listening to Main & Sub Languages Sound Channel ⇒ ● Main + Sub ⇒ ●

Recording programs without Data Broadcasts	While watching TV, ⊚ → Set Broadcast Data → ■ Set Recording → ■ Image Only → ■
Saving Data Broadcasts to Memory Card	While watching TV, ⊚ ⇒ Set Broadcast Data ⇒ ● ⇒ Image Location ⇒ ● → Memory Card ⇒ ●
Disabling Time Shift recording automatic activation	
Recording programs to handset only	● TV → ● Settings → ● Save Recording to → ● Phone Memory → ●

Recording



Recorded Programs

Playback

Splitting files by specifying a time point	During playback, ⊚ → Split File → ● → Select Point → ● → Specify point → ● → Confirm → ●
Playing files	● → TV → ● → TV Player → ● → □ →
repeatedly	Playback Pattern → ● → Repeat → ●
Playing split files	→ TV → ● → TV Player → ● → Select
Playing split files	split file ⇒ 🕏 ⇒ Select file ⇒ •
	→ TV →
	Select file
Playing video files	ا م
Playing video files transferred from	Select file ⇒ ●
, ,	Select file → ● • During playback, press 8 to switch sound channels
transferred from	Select file ● ● • During playback, press ③ to switch sound channels (L, R or L + R). For more operations, see P.8-5
transferred from Blu-ray Disc	Select file ● ● • During playback, press ② to switch sound channels (L, R or L + R). For more operations, see P.8-5 "Video Playback Operations."

■ Managing

- Wanaging	
Checking memory	● → TV → ● → TV Player → ● → 🖾 →
status	Memory Remaining → ●
Renaming files	● → TV → ● → TV Player → ● → Select file → ⊗ → Rename → ● → Enter name → ●
Deleting files	Start Here ● → TV → ● → TV Player → ● → See below
	Single Files Select file → ② → Delete → ● Yes → ●
	All Files ② → Delete All → ● ★ Enter Handset Code → ● → Yes → ●
Copying files to Memory Card	● TV ● TV Player ● ● ◎ ◆ Change to Phone ● ● Select file ● ◎ ◆ Copy to Card ● ● Yes ● ● File is moved from handset to Memory Card when the number of copies made exceeds the limit.
Moving files to Memory Card	● → TV → ● → TV Player → ● → ⑤ → Change to Phone → ● → Select file → ⑤ → Move to Card → ● → Yes → ● Files moved to Memory Card cannot be moved back to handset.
Opening file properties	● → TV → ● → TV Player → ● → Select file → □ → Details → ●



Markers	
Playing files with Markers	Start Here During playback ⇒ See below
	Skipping between Markers ⊙ (Long) or ⊙ (Long)
	Moving to Specific Markers
Using Marker List	Start Here During playback,
	Starting Playback Select number ●
	Deleting a Marker Select number → ◎ → Delete → ●
	Deleting All Markers

TV Timer & TV Recording Timer

Opening/editing/ deleting Timer details	→ Reservation List → ● See below
	Opening Entries Select entry
	Editing Entries Select entry ⇒ ⊗ ⇒ Edit ⇒ ⊕ ⇒ Edit ⇒ ⊗ • Some entries may not be edited depending on the content.
	Deleting Entries

Opening/deleting Timer log	Start Here While watching TV, → Rec./TimeShift → Reservation List → → See below
	Opening Timer Log Select record
	Playing Recorded Programs Select record
	Deleting Records Select record ⇒ ♥ → Yes ⇒ ●
Customizing TV Alarm settings	Start Here While watching TV, → Advanced → → TV Alarm → → See below
	Changing TV Alarm Time Alarm Time
	Disabling Tone/Vibration/Small Light Tone, Vibration or Light → ● → Off → ●
	Changing Duration Duration Select time
Prioritizing current operation over TV	● → TV → ● → Settings → ● → TV Reserve
Timer/TV Recording Timer	Prior Off Off



Watching



TV won't activate

• Battery may be low. Charge battery or install a charged battery.



Cannot watch TV

- Reception may be poor; change location to improve it. (TV signal strength is independent of handset signal strength.)
- Handset may not have been used for a period of time; retrieve Network Information.
- TV is disabled upon subscription termination.



Area setup does not complete correctly

• Perform Update All in Channel Update. Area setup may not complete correctly depending on the area or service availability.

Recording



Ringtone does not sound as set while recording

• When a Chaku-Uta® file, etc. is set as ringtone, default ringtone may sound for incoming transmissions while recording.

TV Recording Timer



Could not start recording. appeared as recording result

 Recording failed due to low battery/ memory, active function, etc.



Recording aborted. appeared as recording result

· Recording was interrupted due to low memory, Memory Card removal, etc.

