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6

Digital TV



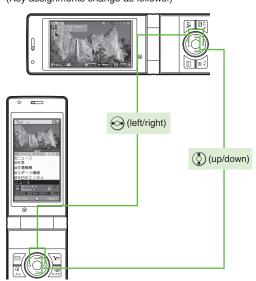
Basics

930SH supports One Seg terrestrial digital television broadcast services developed for mobile devices in Japan.

Landscape Position

Enjoy widescreen TV images in landscape position.

Use
 according to TV orientation.
 (Key assignments change as follows.)



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.

Access TV Listing (EPG)

Access TV Listing (EPG) to find program channels and times; set Reservations by date and time to record shows or activate TV.

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

- 930SH 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

Digital TV Antenna

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



Use optional TV Antenna Connection Cable as needed.



Area Setup

Follow these steps when activating TV for the first time. Set up channels by area.





Setup confirmation appears.

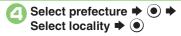


Digital TV





Select region → ●





• After setup, channel list appears.





To watch TV, select *Digital TV* and press .

```
Watching TV without Completing Area Setup
In ②, ③ Other Region → ⑥
Adding Reception Areas
③ → ② → Set Channels → ⑥ →
Change Area → ⑥ → Select Area →
◎ → Set Area Info → ⑥ → From ⑥
```

Advanced



Watching TV

Complete Area setup first.
Use ② according to TV orientation.





TV Window

- TV orientation changes with Display orientation.
- In portrait position, Data Broadcast text appears.



 Use one; Long Press to find channel with stable signal automatically.



Incoming Calls

- Press 🗈 to answer calls.
- When S! Circle Talk request arrives, press to start S! Circle Talk.

When Memory Card is Inserted

 If an incoming Voice Call interrupts a program, it is temporarily recorded to Memory Card for Time Shift playback. To temporarily record programs manually, press (Long) in TV window.

Incoming Messages

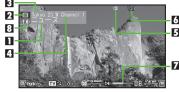
 Double beep sounds and New Message notice appears. Long Press of to open messages.

Key Assignments

Open Options Menu	
Toggle Panel On/Off	\\Y'\
Activate TV/Change Area	Q X T
Volume Control	◄ ▶

Panel Description





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

*The more bars the better.

Indicator position varies with display content, etc.

Advanced

- * Viewing key assignments Searching current program on the Internet Enlarging display size for portrait position Smoothing TV images Saving current channel Selecting an audiovisual mode (P.6-11)
 - Adjusting current AV Mode parameters Changing panel pattern Customizing viewing options for landscape position (And more on P.6-12)



Data Broadcast (Japanese)

Use 5 to select an item and press 6 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.

TV Listing (Japanese)



- 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

- Program Info. → ●



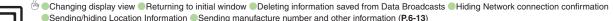
Program Info Window

- Select program **→**
 - To return, press twice.

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.)

Advanced



Setting TV Timer via Program Info (P.6-16)

Capturing Screenshots

Capture screenshots while watching TV. (May be unavailable if TV was activated by TV Timer.)

Saved images cannot be forwarded, edited, set as Wallpaper or attached to messages.

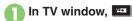




Image is saved.

Opening Saved Images







Select image → ●

Enlarging Specific Image Portion

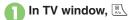
Available in landscape position.

In TV window, 10 - 99

• Long Press Key Assignments:

# 3 F	□ 6 MZ	69 ₹
Upper left	Upper center	Upper right
∞2 Î Left		® Right
as 1 o	the 4 H	* 7 E
Lower left	Lower center	Lower right

Multi Job





- Select function

 ●

 To toggle function windows, press

 ●

 To toggle function windows, press

 ●

 To toggle function windows, press

 To toggle function windows

 To toggle function wi
- **③ →** Function window closes



Recording/Playing Programs

Record clips on handset or Memory Card while watching TV.

Dubbina 10

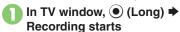
 930SH supports Dubbing 10 copy protection scheme that allows recorded programs to be copied from handset to Memory Card. Open file properties to check the remaining number of copies allowed to be made.

Precautions

- Saved files cannot be forwarded or attached to messages.
- 930SH 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.

Recording Programs

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 Window

 Changing volume, etc. does not affect recordings.



● (Long) → Recording ends

 Clip is saved to handset (or Memory Card, if inserted). Recording Programs in Portrait Position [TV Window] [42] (Long)

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.

Chasing Playback

Watch a program from the beginning while recording it on Memory Card.



(Long)

- Recording window returns when playback has caught up to the real-time program.
- See the table on P.6-9 for playback operations (Split File and Set Marker are not available).





☑ (Long) **⇒** Playback stops

Advanced



- 🧐 Recording programs without Data Broadcasts Saving Data Broadcasts to Memory Card Disabling Time Shift recording automatic activation
- Recording programs to handset (P.6-14)

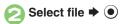
Playing Recorded Programs





Video List

- Handset Video List appears.
 (Memory Card Video List appears if a card is inserted.)
- m indicates the file is unplayable.





Playback Window

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



আ (Long) ➡ Playback stops

Changing Video List from Memory Card to Handset

Playback Operations

- Adjust volume or enlarge widescreen image portion in the same way as while watching TV.
- Use according to TV orientation.

Fast Forward	⊙
Rewind	⊙1
Skip Forward	s # @
Skip Backward	(2) X **
Pause ²	(in portrait position)
Split File	(Long)
Set Marker	¥a
Toggle Panel On/Off	Que la company de la company d

¹Long Press to replay. (Available when no Marker is saved.)

Time Shift Playback

Insert a Memory Card to temporarily record TV programs interrupted by incoming Voice Calls for Time Shift playback. (See related indicators in the screenshot below.)



Follow these steps to start playback:



(Long) **→** Playback starts

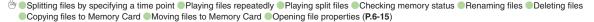
- Playback stops when Time Shift playback has caught up to the real-time program.
- To skip forward/backward or fast forward during Time Shift playback, see "Playback Operations" on the left.

(Long) → Recording/ playback stops

• Recorded content is deleted.

Stopping Fast Forward to Resume Playback

Advanced





²In pause, use of to reverse/advance frame.

TV Timer & TV Recording Timer

Reservation List → ● → 🖾

Rew Entry → ●

New Entry
From TV Listing
Manual

Manual → ● →
Programming or Recording



Enter start date/time

● ●

Enter end date/time
● ●

Channel: → ● → Select channel → ● → 🖭

 When a confirmation appears, read and then press .

Setting Timer via EPG

In ②, From TV Listing ▶ ●

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

Timer Recording Precautions

Confirm target channel reception; keep handset open.

- End current operations.
- Confirm battery is adequately charged and that 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.)

When Memory Card is Not Inserted

Clip is saved to handset.

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

 Confirmation appears if TV cannot activate in current state; press then end application to enable Timer.

Advanced



Digital TV

Opening/editing/deleting Timer details Opening/deleting Timer log Customizing TV Alarm settings Ending operations automatically at Timer time (P.6-16)

Area & Channel

Switching reception Areas	While watching TV, ♣ Select Area → ●
Renaming Areas	While watching TV, So Set Channels Change Area Select Area Change Area Mame 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 ● ●
	Start Here While watching TV,
Editing channels	Moving Channels Move
	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, → Change Area → → Select Area → → Channel Update → → Update All → → Yes → ●

Watching	
Viewing key assignments	While watching TV, → Help → Also available while recording or playing programs.
Searching current program on the Internet	While watching TV,
Enlarging display size for portrait position	While watching TV, ☑ → AV Settings → ● → Screen Size → ● Enlarge(Portrait) → ●
Smoothing TV images	While watching TV,
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,



	Start Here While watching TV, → AV Settings → See below
	Brightness Image → ● → Brightness → ● → Adjust level → ●
	Disabling/Enabling Brightness Adjustment via Light Sensor Image → ● → Brightness → ● ♥ (□/☑) → ●
Adjusting current AV Mode parameters	Adjusting Brightness Automatically by Scene Image → ● → Control by Scene → ● → On(Light) or On → ●
	Other Image-Related Parameters Image → ● Select item → ● Adjust level → ● • Adjust Contrast, Blackness (black level), Color (color density), Tint (skin color tone) and Sharpness.
	Restoring Default Image Settings Image
	Selecting Sound Option Tone
Changing panel pattern	While watching TV, → Settings → → Panel Type → → Select pattern → →
	Start Here ● → TV → ● → Settings → ● → Landscape Sets. → ● → See below
Customizing viewing options for landscape position	Showing Indicators Always Display Icon → ● → On → ●
	Disabling Partial Image Enlargement Enlarge Point
	Using Portrait Position Key Assignments Key Direction → ● → Off → ●

Switching One Seg service	While watching TV, → Select Serv. Station → → Select service → → Available for programs with multiple services.
	Start Here ● → TV → ● → Settings → ● → Calls & Alarms → ● → See below
Changing handset responses to	Showing Alarm Notice Alarm
incoming transmissions	Showing Calls or S! Circle Talk Requests Select item
	Showing New Message Notice Incoming Message Calls & Alarms •
Listening to audio from Speaker	● → TV → ● → Settings → ● → Sound Output → ● → Loudspeaker → ●
Switching audio output to wireless device	→ TV → • → Settings → • Sound Output → • → Bluetooth Device → •
Using wireless Headphones	While watching TV, ☒ (Long) • Pair SCMS-T DRM scheme compliant Bluetooth® headphones beforehand.
Setting TV to end automatically after a period of time	TV Settings Auto Exit Auto Exit Select time
Disabling auto shut-off when handset is closed	● TV → ● → Settings → ● → Auto Exit → ● → Close Action → ● → Watch TV → ●



Data Broadcast (Portrait Position Only)

Changing display view	While viewing Data Broadcast,
Returning to initial window	While viewing Data Broadcast,
Deleting	Start Here
information saved from Data	Deleting by Station Select station → ☑ → Delete → ● → Yes → ●
Broadcasts	Deleting All
Hiding Network connection confirmation	TV → ● → Settings → ● → Broadcast Data → ● → Notify Connection → ● → Off → ●
Sending/hiding	Start Here
Location Information	Sending Always On → ●
	Hiding Always Off ⇒ ●
Sending manufacture number and other 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.
	Start Here ● → TV → ● → TV Link → ● → See below
Using TV links	Opening TV Links Select link • • Connection fees may apply.
	Opening Properties Select link ▶ ☑ ▶ Details ▶ ●
	$\boxed{\text{Start Here}} \textcircled{\bullet} \Rightarrow TV \Rightarrow \textcircled{\bullet} \Rightarrow TV \text{ Link} \Rightarrow \textcircled{\bullet} \Rightarrow \text{See}$ below
Deleting TV links	One Entry Select link ⇒ ☑ ⇒ Delete ⇒ ● → Yes ⇒ ●
	All Entries



Subtitle & Sound

Subtitle & Sound	
	Sound → ● → See below
	Showing Subtitles Always Display Subtitle
	Hiding Subtitles Always Display Subtitle
Changing subtitle settings	Changing Subtitle Language Subtitle Language
	Showing Subtitle Area Always Auto Subtitle Off
	Showing Subtitles at the Top Subtitle Position → ● Upper → ● • Available in landscape position only.
	Start Here While watching TV, Sound See below
Changing sound settings	Selecting Sound Option Sound Type
	Listening to Sub Language Sound Language
	Listening to Main & Sub Languages Sound Language → ● → Main + Sub → ●

Recording

Recording programs without Data Broadcasts	● TV ● ● Settings ● ● Broadcast Data ● ● Set Recording ● ● Image Only ● ●
Saving Data Broadcasts to Memory Card	● ▼ TV ▼ ● ▼ Settings ▼ ● ▼ Broadcast Data ▼ ● ▼ Image Location ▼ ● ▼ Memory Card ▼ ●
Disabling Time Shift recording automatic activation	→ TV → ● → Settings → ● → Set Call Time Shift → ● → Off → ●
Recording programs to handset	● → TV → ● → Settings → ● → Save Recording to → ● → Phone Memory → ●

Recorded Programs

■ Playback

	Splitting files by	During playback, 🦭 ⇒ Split File ⇒ 🍑 ⇒
	specifying a time	Select Point → • Specify point → •
	point	Confirm → ●
	Playing files	
	repeatedly	Playback Pattern ⇒ ● → Repeat ⇒ ●
	Playing split files	→ TV → ● → TV Player → ● → Select
	Playing split files	split file ⇒ 🖅 ⇒ Select file ⇒ 💿

■ Managing

Mariaging	
Checking memory status	● → TV → ● → TV Player → ● → ☑ → 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 ⇒ ☑ ⇒ Delete ⇒ ● Yes ⇒ ●
	All Files
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 ● ● □ → □ → Change to Phone ● ● Select file □ □ → Move to Card ● ● Yes ● ● ● Files once 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, → Set Maker → → Marker List → ○ → See below
	Starting Playback Select number ●
	Deleting a Marker Select number → ☑ → Delete → ●
	Deleting All Markers ☑ → Delete All → ● → Yes → ●



TV Timer/TV Recording Timer	
Setting TV Timer via Program Info	Start Here While watching TV ⇒ See below
	In Landscape Position
	In Portrait Position
Opening/editing/ deleting Timer details	Start Here ● → TV → ● → 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 Select entry → ☑ → Delete → ● → Yes → ●
	Start Here ● → TV → ● → Reservation List → ● → ▼ → See below
Opening/deleting	Opening Timer Log Select record
Timer log	Playing Recorded Programs Select record
	Deleting Records Select record → ☑ → Yes → ●

Customizing TV	
	Changing TV Alarm Time Alarm Time
Alarm settings	Disabling Tone/Vibration/Small Light Alarm, Vibration or Light
	Changing Duration Duration Select time
Ending operations	● → TV → ● → Settings → ● → TV Reserve
automatically at	Prior On On
Timer time	Some operations may not end automatically.

Watching



TV won't activate

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



Cannot watch TV

- Reception may be poor (P.6-5); 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 (P.13-6).
- 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.

