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6

Digital TV



# **Basics**

932SH 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.

#### 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.

# **Portrait & Cycloid Positions**

View programs and Data Broadcast in portrait position, or rotate Display to Cycloid position to watch TV in widescreen.





# Dual One Seg Tuner for Simultaneous Viewing & Recording

Watch one program in half of Display while another appears in the other half; record both programs simultaneously. Press a key to switch positions for audio. Search other programs in the same time slot easily via program listing.











#### **Precautions**

- 932SH 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 crossinas, 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

#### **Recording Precautions**

- Saved files cannot be forwarded or attached to messages.
- 932SH 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

# **Digital TV Antenna**

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



Use optional TV Antenna Connection Cable as needed.





Setup confirmation appears.

Yes **▶** ■



Select region **▶** ■





After setup, channel list appears.



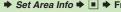


• To watch TV, select Digital TV and press .

Watching TV without Completing Area Setup In ⓒ, Other Region ▶ ■

**Adding Reception Areas** 

Set Area Info ⇒ ■ From ⑥







Digital TV

# Watching TV

# **Rotate Display**



TV Window

- When rotating Display for the first time, Landscape menu opens; select Activate Digital TV and press I to complete setup.
- Press 🖾 to activate TV in portrait position: Data Broadcast text appears below TV image.

# Use Keypad to select a channel

• Use • to switch channels one by one: Long Press to find channel with stable signal automatically.

# Yes ■ TV ends

#### **Incoming Calls**

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

# When Answering Voice Calls with **Memory Card Inserted**

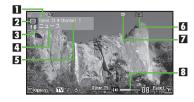
- Current program is temporarily recorded; start playback after the call. (Time Shift) **Incoming Messages**
- Double beep sounds and New Message notice appears. Long Press 

  to open messages.

# **Key Assignments**

Open Options Menu	N
Toggle Panel On/Off	¥′
Start/End Two Screen	IND TLY TLX
Volume Control	<b>4</b>   <b>b</b>
Toggle Display Size	(P) (P)
Change Area	

# **Panel Description**



4 –	ニュース	<b>-7</b>
2-	-8 Tokyo 23 h	<b>-</b> 6
<u> </u>	EPG 10 10 0 0 1 10 10 0 10 0 10 0 10 0 10	<b>-8</b>
<u> </u>	Options   Panel	-3

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

\*The more bars the better. Indicator position varies with display size.







### **Data Broadcast (Japanese)**

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

Not available while Two Screen is active.



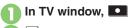
#### Data Broadcast Fees

- 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.



2 🖪

• Image is saved.

# **Opening Saved Images**

While Watching TV

[TV Window] → Useful Func. → ■

→ TV-Image Folder → ■ → Select
image → ■

• From Standby

■ → TV → ■ → TV-Image Folder
→ ■ → Select image → ■

# **Enlarging Specific Image Portion**

Enlarge image portions temporarily in Cycloid position.

May be unavailable while Two Screen is active, etc.

In TV window, 10 - 9 (Long)



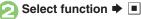
• Key Assignments:

(a) 1 o	± 2 ₽	⇒3 ₽
Upper left	Upper center	Upper right
⊵4∜Left	∞5₺Center	<b>E6 Bight</b>
* 7 S	₽8∜	69 W
Lower left	Lower center	Lower right

# Multi Job

በ In TV window, 🎚





• To toggle function windows, press 💌 🔊 .



# **Advanced**



Changing display view Returning to initial window Deleting information saved from Data Broadcasts Hiding Network connection confirmation Sending/hiding Location Information Sending manufacture number and other information (P.6-15)

# **Obtaining Program Information**

Access information on current program, stations or other programs in the same time slot.

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
Other TV Listing	Open list of programs currently being broadcast; record one while watching current program

# TV Listing (Japanese)

- \rceil 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, 

  →

  OperateProgram →

  ■
- 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.)

Setting TV Timer via Program Info
[Program Info Window] Select
program ▶ ☑ ▶ Programming ▶ ■

# Other TV Listing

In TV window (Cycloid position),



Other TV Listing Window

- 🛜 Select program 🖈 🛚
  - Program details appear.
     To return process appear.
  - To return, press twice.

# Accessing Other TV Listing in Portrait Position

[TV Window] 

→ OperateProgram

→ → Other TV Listing → ■

Tuning in a Second Program in the

Same Time Slot

[Other TV Listing Window] Select
program ▶ ■

Recording Second Program in the Same Time Slot

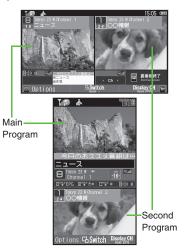
[Other TV Listing Window] Select program ▶ ☑

■ Recording starts. (Two Screen starts.)



# Watching Two Programs Simultaneously

932SH has built-in dual One Seg tuner; tune in two programs simultaneously in split screen.



#### ■ Picture-in-Picture

While main program appears, open a second one (audio muted) in an inset window.







- Second program appears. (Two Screen starts.)
- Second program audio is disabled.
- Second program channel selection is active by default. Cancel setting to navigate main program channels.
- to watch second program
  - Program positions switch.
- **▶** Cancels split screen
  - Main program appears alone.

#### **Split Screen Restrictions**

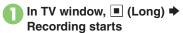
 Data Broadcast, Other TV Listing, widescreen partial image enlargement, Change Area, Save Channel, etc. are unavailable.



# **Recording Programs**

Record current program on handset or Memory Card.

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





# Recording Programs in Portrait Position [TV Window] (Long)

- To end, Long Press while recording.

  Recording Second Program in the Same

  Time Slot
- Open Other TV Listing in TV window, then select a program and start recording.
- Channel selection does not affect recording of second program.

# 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.

#### Dubbing 10

 932SH 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.



#### Recording while Two Screen is Active

Recording of main program starts. To record second program simultaneously, press 
and proceed. (Simultaneous recording)

- Memory Card is required for simultaneous recording.
- During simultaneous recording, operations are available for main program only.



Recording main program





Program positions switch **■** (Long)

Simultaneous recording



# **Playing Recorded Programs**

In TV window, □ → TV

Player → ■



Video List

• multiple indicates the file is unplayable.





Playback Window

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



#### **Changing Playback Position**

- Slide finger left or right over TOUCH CRUISER during playback; press to resume.
- Not available during Time Shift playback. Switching Video List

After ①, ☐ → Change to Phone or Change to MemoryCard → ■

# Playback Operations

Adjust volume or enlarge widescreen image portion in the same way as while watching TV.

Fast Forward	<b>□</b> 1
Rewind	•□ 1, 2
Skip Forward	@#*
Skip Backward	(m) ★ ±
Pause <sup>3</sup>	( in portrait position)
Split File	(Long) <sup>4</sup>
Set Marker	4
Toggle Panel On/Off	I I I I I I I I I I I I I I I I I I I

- Each press increases speed. To resume normal playback, press (v) in portrait position).
- <sup>2</sup>Long Press to replay. (Available when no Marker is saved.)
- <sup>3</sup>In pause, use 

  in to reverse/advance frame.
- <sup>4</sup>Not available during Time Shift playback.



# TV Timer & TV Recording Timer

- In TV window, 

  → Rec./

  TimeShift 

  ■
- 🏿 Reservation List 🕈 🔳 🕈 🗵
- 😱 New Entry 🖈 🔳



Manual ⇒ ■ ⇒
Programming or Recording
⇒ ■



Enter start date/time 

Enter end date/time 

Enter end date/time 

■

# Channel: → ■ → Select channel → ■ → ☞

 If a confirmation appears, read the message and press

# **Setting Timer via EPG**

After 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 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 Watching TV

 Two Screen starts automatically; Timer program appears as second program.

## 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 remains off, or the current function ends 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.





Recording in progress

- While recording, 

  (Long)

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

Playback Operations

Fast Forward	<b>□•</b>
Skip Forward	©#* <sup>→</sup>
Skip Backward	® ★ ÷

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 after the call for playback.



# Area & Channel

Switching reception Areas	While watching TV, ⑤ → 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   ■
Tunction	Disabling Disable ▶ ■
	Start Here   While watching TV, □ → Set Channels   → □ → CH Switch → □ → Select channel →   □ → See below
Editing channels	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   ← □ → Select Area   ← □ → Channel Update   ← □ → Update All   → □ → Ves → □

Watching	
Viewing key assignments	While watching TV,  → Help → ■  Also available while recording or playing programs.
Searching current program on the Internet	While watching TV,   → OperateProgram   → Program Info. Search  → ■ → Search  → ■  • Follow onscreen instructions.
Enlarging display size for portrait position	While watching TV, ⋈ → AV Settings → ■ → Screen Size → ■ → Enlarge → ■
Viewing widescreen images in original size	While watching TV, □ → AV Settings → ■ → Screen Size → ■ → Original Size → ■
Smoothing TV images	While watching TV,   → AV Settings  → →  Smooth Mode  → → On → ■  • May not be effective depending on the image. • Not effective while Two Screen is active.
Saving current channel	While watching TV, □ → Set Channels → ■ → 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.



Adjusting current AV Mode parameters	Start Here While watching TV,
	level → ■   Disabling/Enabling Brightness Adjustment via   Light Sensor   Image → ■ → Brightness → ■ → ◎ (□/☑) → ■
	Adjusting Brightness Automatically by Scene Image ⇒ ■ → Control by Scene ⇒ ■ → On(Light) or On ⇒ ■
	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 → ■ → Yes → ■
	Selecting Sound Option  Tone → ■ → Select option → ■
Changing panel pattern	While watching TV in portrait position,    Advanced
Customizing viewing options for Cycloid position	Start Here While watching TV in Cycloid position,
	Showing Indicators Always  Display Icon   □ → On → □
	Disabling Partial Image Enlargement  Enlarge Point   ■   Off  ■

Switching One Seg service	While watching TV, □ → Set Channels → ■ → Select Serv. Station → ■ → Select service → ■ ◆ Available for programs with multiple services.
Listening to audio from Speakers	While watching TV,   → Advanced →   → Sound Output →   → Loudspeaker →   □
Using wireless Headphones	While watching TV, <sup>®</sup> (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, $\  \  \  \  \  \  \  \  \  \  \  \  \ $
	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   Notice a Call   ■
	Showing New Message Window Incoming Message   ■ Calls & Alarms ■
Switching audio output to wireless device	■ → TV → ■ → Settings → ■ → 🖁 Sound Output → ■ → Bluetooth Device → ■



#### Two Screen Using While watching TV, → Two Screen → ■ → Picture-in-Picture Set Two Screen → ■ → Sub Screen → ■ While watching TV, ☐ → Two Screen → ■ → Canceling second CH Op. OtherTVList ⇒ ■ → Off ⇒ ■ program channel • When *Off*, main program channel selection selection is active.

# **Data Broadcast**

Changing display view	While viewing Data Broadcast in portrait position,    → Set Broadcast Data →   Change View (Data) →   To return to TV window, press   .
Returning to initial window	While viewing Data Broadcast in portrait position,    → Set Broadcast Data →   Back to Top →   ■
Deleting	Start Here While watching TV,   → Set Broadcast  Data → ■ → Delete StationData → ■ → See  below
information saved from Data	Deleting by Station Select station
Broadcasts	Deleting All
Hiding Network connection confirmation	While watching TV,   → Set Broadcast Data  → Notify Connection → ■ → Off → ■

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

# 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
	Start Here ■ → TV → ■ → TV Link → ■ → See below
Deleting TV links	One Entry Select link ⇒ □ ⇒ Delete ⇒ ■ ⇒ Yes ⇒ ■
	All Entries



# Subtitle & Sound

	Start Here While watching TV,  Sound  Sound  Sound So
	Showing Subtitles Always  Display Subtitle
Changing subtitle	Hiding Subtitles Always  Display Subtitle   ■ → Off → ■
settings	Changing Subtitle Language Subtitle Language   Language 2   ■
	Showing Subtitle Area Always  Auto Subtitle Off   ■   Off   ■
	Showing Subtitles at the Top  Subtitle Position → ■ → Upper → ■
	Increasing Subtitle Lines Subtitle ScrollMode
	Start Here While watching TV,   Sound   See below
Changing sound settings	Selecting Sound Option Sound Type ⇒ ■ → Sound2 → ■  • Available when multiple sounds are supported.
settings	Listening to Sub Language Sound Channel   ■ Sub ■
	Listening to Main & Sub Languages  Sound Channel → ■ → Main + Sub → ■

# Recording

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	■ → TV → ■ → Settings → ■ → Set Call Time Shift → ■ → Off → ■
Recording programs to handset	$\blacksquare \Rightarrow TV \Rightarrow \blacksquare \Rightarrow Settings \Rightarrow \blacksquare \Rightarrow Save$ Recording to $\Rightarrow \blacksquare \Rightarrow Phone Memory \Rightarrow \blacksquare$

# **Recorded Programs**

# Playback

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

# Managing

_ Managing		
Checking memory status	■ → TV → ■ → TV Player → ■ → □ →  Memory Remaining → ■	
Renaming files	■ → TV → ■ → TV Player → ■ → Select file → □ → Rename → ■ → Enter name → ■	
	Start Here ■ → TV → ■ → TV Player → ■ → See below	
Deleting files	Single Files Select file	
	All Files	
Copying files to Memory Card	■ TV ■ TV Player ■ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	

Moving files to Memory Card	■ TV ■ TV Player ■ □ □ □  Change to Phone ■ Select file □ □ □  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		

# Start Here During playback ⇒ See below Skipping between Markers Playing files with (Long) or □ (Long) Markers Moving to Specific Markers £0 - 59 ¥ Start Here During playback, → Set Maker → ■ → Marker List → ■ → See below Starting Playback Select number ⇒ ■ **Using Marker List** Deleting a Marker Select number ⇒ 🖾 ⇒ Delete ⇒ 🔳 **Deleting All Markers** □ → Delete All → ■ → Yes → ■



# TV Timer/TV Recording Timer

TV Timer/TV Recording Timer		
	Start Here White watching TV,   → Rec./  TimeShift → ■ → Reservation List → ■ →  See below	
Opening/editing/	Opening Entries Select entry ▶ ■	
deleting Timer details	Editing Entries  Select entry   □ → Edit  □ → Edit  □ □ Some entries may not be edited depending on the content.	
	Deleting Entries Select entry	
	Start Here While watching TV,	
Opening/deleting	Opening Timer Log Select record   ■	
Timer log	Playing Recorded Programs Select record	
	Deleting Records Select record → → Yes → ■	
	Start Here While watching TV,   Advanced   TV Alarm   See below	
Customizing TV	Changing TV Alarm Time  Alarm Time   Select time   ■	
Alarm settings	Disabling Tone/Vibration/Small Light  Tone, Vibration or Light → ■ → Off → ■	
	Changing Duration  Duration   Select time   ■	

	■ ⇒ TV ⇒ ■ ⇒ Sett. Prior ⇒ ■ ⇒ Off ⇒ □
Recording Timer	

| ⇒ TV ⇒ ■ ⇒ Settings ⇒ ■ ⇒ TV Reserve



# 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.

