

Digital TV

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Basics

940P supports One Seg terrestrial digital TV broadcasting.

- Operation descriptions are based on Portrait View.

One Seg

One Seg is a digital TV broadcasting service for mobile phones. For more information, visit The Association for Promotion of Digital Broadcasting Website:

[PC] <http://www.dpa.or.jp/>

[Handset] <http://www.dpa.or.jp/1seg/k/>
(Japanese only)

Features

Watch TV Programs (☞P.5-5)	Watch One Seg Digital TV on handset.
View Data Broadcast (☞P.5-7)	Access a variety of program-related information.
Record TV Programs (☞P.5-11)	Record program/capture still image while watching the program.
Set Timer (☞P.5-13)	Use Timer to view/record programs. You can easily set Timer by using Program List (☞P.5-7).

Mobile W-Speed

Frame rate of Digital TV images are automatically enhanced. Enjoy smooth image flow (☞P.18-14).

- Mobile W-Speed is set to **ON** by default.
- When this function is set to **ON**, full effect of **Image Quality** may not be achieved.
- Depending on broadcasting condition, full effect of this function may not be achieved.
- Disabled during ECO Mode (☞P.18-14) or AV output (☞P.11-13).
- Disabled for playing back videos recorded with Mobile W-Speed set to **ON**.

Tip

- Use Other Functions while Viewing TV (☞P.5-8)

Precautions

- Digital TV is available only in Japan.
- Incoming calls/messages may affect TV image or audio quality while TV is activated.
- Digital TV may be disabled if USIM Card is not installed or SoftBank subscription is terminated.
- SoftBank is not liable for damages from accidental loss/alteration of handset/microSD Card information.
Data saved to handset (TV Links, Channel List, etc.) cannot be restored after repairs or handset replacement. Back up important information.

Signal Reception Areas

TV signal reception may be poor in the following conditions:

- Too far from or close to broadcasting stations.
- Mountain areas or near tall buildings.
- In moving vehicles, underground, in tunnels, etc.
- Near high-voltage wires, neon lights, wireless base stations, railroad tracks or highways.
- Areas with numerous signal obstructions or areas where signal reception is blocked.

When Battery is Running Out

- Warning tone sounds and warning message appears if Digital TV is activated with low battery.
- When battery runs low while programs are on or being recorded, handset operates as follows:
 - While Viewing
Warning tone sounds, and confirmation appears.
 - While Recording
Response differs depending on **Rec. When Low Battery** (P.18-14) setting.
 - Continue Recording** ... Warning tone does not sound and confirmation does not appear.
 - Stop Recording** ... Warning tone sounds and confirmation appears.
- Watching TV while charging may shorten battery life.
- If recording ends due to low battery, recorded portion is automatically saved.



Incoming Transmissions


TV pauses for incoming calls. Resume TV after call ends.

- Incoming calls do not interfere with recording.

Incoming Messages

Notification Light flashes for incoming messages while TV is active or recording is in progress. Ticker also appears in Display.

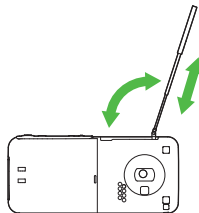
While ticker appears, press  to view messages. TV sound plays in background while viewing messages. Press  to return to previous window.

- Show or hide ticker (Mail Ticker Display: P.18-14).
- When ticker is set to Off, TV pauses, incoming message window appears and ringtone sounds. Set Receiving Display (P.18-21) to **Operation Preferred** to notify of incoming messages only with .

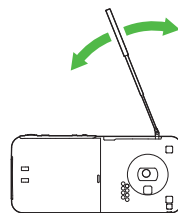
TV Antenna

Extend TV Antenna for optimal viewing.

- Do not force TV Antenna when rotating.
- Retract TV Antenna after viewing Digital TV.



Pull out as far as it extends



Rotate to adjust reception

Initial Setup

Set channels for your area.

- Up to ten Channel Lists can be saved.
- Set channels after extending TV Antenna.

Main Menu ▶ TV ▶ Channel Setting ▶ Select Area

- 1 Select a region → Select a prefecture
- 2 **YES**

Note

- If manual setup fails, try automatic channel setup (👉Below).
- Handset detects a change in reception area after moving to a different area. Set Channel List for that area.

Channel Settings

Automatic Channel Setup

Main Menu ▶ TV ▶ Channel Setting ▶ Automatic

- 1 **YES**
- 2 After channel search, **YES** → Enter title
 - If title is not entered, date (year/month/day/hour/minute) is automatically saved as title.


Using Channel List

From ▶ Main Menu ▶ TV ▶ Channel List



■ Set Channels

- > Select a Channel List
- Channel List is set, and available channels appear.
- Select a channel to access the station.

■ Delete Channel List

- > Highlight a Channel List →  [Menu] → **Delete** → **YES**
- Selected Channel List cannot be deleted.




■ Delete Channels from Channel List

- > Highlight a Channel List →  [Detail] → Highlight a channel →  [Menu] → **Delete** → **YES**
- Channels in selected Channel List cannot be deleted.

■ Edit Title

- > Highlight a Channel List →  [Menu] → **Edit title** → Edit

■ Reassign a Remote Control Number (Keypad) to a Channel

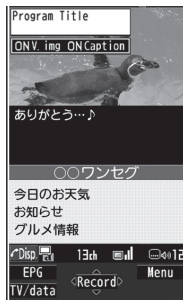
- > Highlight a Channel List →  [Detail] →  [Menu] → **Remote control #** → Select a channel → Select a new remote control number →  [Finish] → **YES**

Watching TV

- Set channels beforehand (☞P.5-4).

1

Viewer appears.



Viewer

2 Select a channel

Direct Channel Access	<input type="radio"/> (1) - <input type="radio"/> (9) <input type="radio"/> (*) (Channel 10) <input type="radio"/> (0) (Channel 11) <input type="radio"/> (#) (Channel 12)
Previous/Next Channel	<input type="radio"/> (Left/Right Arrow)
Channel Search	Press and hold <input type="radio"/> (Search) ● To stop: <input type="radio"/> [Cancel] / <input type="radio"/> (Power)

3 To end TV, (End TV) → **End TV**

- To play TV sound in the background: (Change to BGM) → **Change to BGM**

Note

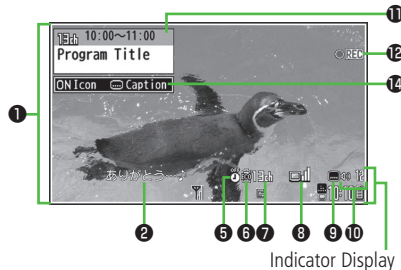
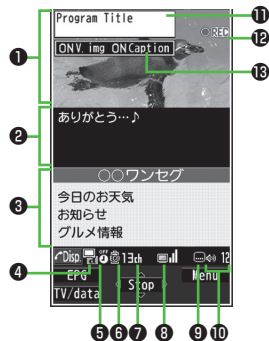
- Alternatively, **Main Menu** ▶ **TV** ▶ **Watch TV**
- Rotate handset while viewing TV to switch Portrait/Landscape View (90° counterclockwise). While Motion Control Setting (☞P.18-6) is **OFF**, press (Camera) to switch Portrait/Landscape View (90° counterclockwise/clockwise).

Tip

- Use Bluetooth® Device for Wireless Playback (☞P.11-10)
- View handset TV images on a TV set (☞P.11-13)

Indicators

- Screenshots are provided for reference only. Actual handset windows differ in appearance.



Indicator Display

Item	Description	Operation
1 Image	—	—
2 Captions	—	—
3 Data Broadcast	(☞P.5-7)	—
4 Data Broadcast Mode	Data Broadcast Mode off Data Broadcast Mode on	[TV/data] ²
5 Off timer	(☞P.5-9)	—
6 ECO Mode	(☞P.18-14)	—
7 Channel	(☞P.5-4) <ul style="list-style-type: none"> • When multiple programs are available in the same broadcasting station, "service number/total numbers" appears. 	—
8 Signal Strength Level	← → Out of range	—
9 Receiving Captions	—	—
10 Volume	—	<ul style="list-style-type: none"> • Adjust volume: 1/4 ↓ • Mute/Resume: 1
11 Program Title	—	/ 3
12 Recorder Status ¹	Recording Timer Set	(☞P.5-11, P.5-13)
13 Display/Caption ²	Display: ON/OFF/Large Caption: ON/OFF	 <ul style="list-style-type: none"> • Each key press toggles settings.
14 Indicator/Caption ³	Indicators: ON/OFF Caption: Upper position/Lower position/OFF	 <ul style="list-style-type: none"> • Each key press toggles settings.

¹ Available only when Data Broadcast Mode is off ² Available only in Portrait View

³ Available only in Landscape View

Program List (Japanese)

Check program schedules and set timer to view/record TV programs.



Main Menu ▶ TV ▶ Program List

- Confirmation appears when using Program List for first time. Follow onscreen instructions.
- See Program List Help menu for usage information.

View Program List while TV is Active

>  [EPG]

Show Program Information while TV is Active

> Press and hold  [EPG] → To return to Viewer, 

Data Broadcast (Japanese)

Access a variety of program-related information such as still images and videos.

- Data Broadcast is not available in Landscape View.

1 Activate TV (Data Broadcast Mode off) →

 [TV/data]

 appears.

-  to select information
- To deactivate Data Broadcast Mode:  [TV/data]

Note

- Viewing Data Broadcast information requires no fees; however, accessing websites will incur connection fees.

Functions while Viewing TV












Sound Settings

> While TV is active,  [Menu] → *Settings* → *Sound* → *Sound Effect* → Select an item (See below)

Item	Operation/Description
Auto Volume	Automatically increase to optimum volume > <i>ON</i> or <i>OFF</i>
Remaster	Adjust sound quality to reproduce original sound > <i>ON</i> or <i>OFF</i>
Listening	Adjust to natural sound when using earphone or Bluetooth® device > Select an item <ul style="list-style-type: none"> · Surround: Reproduce natural and stereophonic sound · Natur 1 or Natur 2: Complement sound specific to earphone to reproduce natural sound · OFF: Turn off Listening setting
Equalizer	Change sound quality when using earphone or Bluetooth® device > Select an item <ul style="list-style-type: none"> · Normal: Reproduce normal sound · H. BASS1: Enhance low-pitched sound · H. BASS2: Enhance low-pitched sound even more · Voice: Make voice clear · Train: Minimize sound leakage



Other Functions

> While TV is active, follow the steps below.

Item	Operation/Description
Access Internet via Yahoo! Keitai	<p>> Press and hold </p> <ul style="list-style-type: none"> To return to viewer: While Yahoo! Keitai is active, press and hold 
Access Internet via PC Site Browser	<p>>  (MULTI/) → <i>Open Menu</i> → <i>Yahoo!</i> → <i>PC Site Browser</i></p> <ul style="list-style-type: none"> Follow onscreen instructions
Make a Voice Call/Video Call	<p>>  (MULTI/) → <i>Stand-by display</i> → Enter a number →  (For Video Call,  [V. Call])</p> <ul style="list-style-type: none"> Interrupt TV during call. After call, TV resumes. Recording will not be interrupted.
Use Messaging	<p>>  (MULTI/) → <i>Stand-by display</i> → </p>

Functions Available while Viewing TV

> While TV is active,  [Menu] → Select an item (See below)

Item	Operation/Description
Program info	View current program information
Program list	View Program List
Disp.Ch./operation ¹	<p>> Select an item</p> <ul style="list-style-type: none"> Channel info: View channel details. Select a channel to watch that Station Channel List: View Channel List () Channel Setting: Set channels for your area () Add to ch. list: Add current station to Channel List. Assign current station to lowest available number key. Tune service: Select a program when multiple programs are available from the same broadcasting company

Item	Operation/Description
Data Broadcasting ¹	<ul style="list-style-type: none"> > Select an item <ul style="list-style-type: none"> · Back to data BC: End Data Broadcast site and return to Data Broadcast window · Reload contents: Reload page (Data Broadcast link) · Certificate: View owner, author, validity period and serial number of certificate used in SSL communication · Images²: Show/hide images on Data Broadcast sites · Sound Effect²: Turn on/off sounds from Data Broadcast/sites · Reset Settings²: Show confirmation on Data Broadcast
TV link list ¹	Show TV Link details
Compose S! Mail	Create S! Mail while listening to sound (☞From Step 2 on P.14-4)

Item	Operation/Description
Settings	<ul style="list-style-type: none"> > Select an item <ul style="list-style-type: none"> · Display/operation → Switch display¹: Switch view (switch image size/image off) · Display/operation → Switch TV/data BC¹: Toggle Data Broadcast Mode on/off (☞P.5-7) · Display/operation → Icons²: Set Indicator Display in Landscape View · Display/operation → AV output: View a Digital TV image on a TV set or other devices (☞P.11-13) · Video → Brightness: Set Back Light brightness · Video → Mobile W-Speed²: Enhance frame rate of TV images automatically · Video → Image Quality²: Select an image quality · Video → LCD AI: Activate image compensation according to Back Light · Sound → Sound Effect² (☞P.5-7) · Sound → Main/sub sound: Set main/sub sound · Sound → Switch audio data: Available only when multiple audio data are supported · ECO Mode²: Set power saving mode (☞P.18-14) · Off timer: When set time passes, confirmation appears asking whether to end viewing/recording TV
Key guide	View key operation guide while watching TV

¹ Available only in Portrait View

² Available from User Settings even while TV is not active (☞P.18-14).

TV Links (Japanese)

Saving TV Links

- Following function is not available in Landscape View.
- 1 Switch Data Broadcast Mode on → Select a link
 - 2 **YES**
Follow onscreen instructions to save link.

Opening TV Links


Main Menu ► TV ► TV Link

- 1 Select a TV Link
 - Confirmation appears when Internet access is required. Select **YES** to proceed.
 - If TV Link is expired, confirmation appears asking whether to delete link.

Functions Available in TV Link List

Main Menu ► TV ► TV Link

- 1  [Menu] → Select an item (See below)

Item	Operation/Description
Display detail	Show TV Link title, URL, summary, content type, expiration date
No. of TVlink	Show number of saved TV Links
Delete	> Select an item <ul style="list-style-type: none"> · Delete this → YES · Delete selected → Check TV link(s) to delete →  [Finish] → YES · Delete all → Enter Phone Password → YES

Recording/Playing Programs

Recording Current Program


Save programs as videos or still images.
Recordings are saved to microSD Card.

- microSD Card: P.10-16
- Save up to 2GB of data at a time.


Recording Time (total)*	Approx. 640 minutes
Savable Files	99 files

* Average recordable time per 2GB of data

- Recording is unavailable when signal strength drops to .


1 Activate TV →  **[Record]**

 appears, and recording starts.

2  **[Stop]** to stop recording

Program is saved to microSD Card.


Note

- In the following cases, recording ends and recorded portion is automatically saved:
 - File size is over 2GB
 - microSD Card memory is full
- Recorded files are not saved to handset.
- Do not remove microSD Card while recording.
- Recording continues even if signal strength level is ; however, images and audio are not saved.
- Recording is disabled during AV output.

Capturing Screenshots

Captured screenshots are saved to handset.

- This feature is unavailable when signal strength is  or Data Broadcast Mode is on.

1 Activate TV (Data Broadcast Mode off) → press and hold 

Note

- Captions cannot be captured.
- Capturing is disabled during AV output.

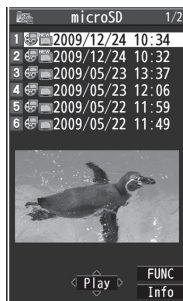
Playing Recorded Programs

Main Menu ► Data Folder ► TV ► Video

1 Select a video

Playback starts.

- When a playback position is recorded to video, playback starts from the position. Press [FromTop] to play back from beginning.
- When a video contains divided files, file list opens. Select the file to play back.



Example: Video Folder

2 to stop playback

Playback Operations

Volume	
Mute/Cancel Mute	
Fast Forward	(Press once: 10x; Press twice: 30x)
Fast Rewind	(Press once: 10x; Press twice: 30x)
Pause/Resume	
Play Frame by Frame	Pause playback → [Frame] ● Play back frame by frame.
Skip Rewind ¹	Press and hold /
Skip Forward ²	Press and hold /

Toggle Playback Speed	[/ / /] (Summary View) ● Summary View adjusts playback speed according to audio.
View Title	 ● Time bar also appears. ● Title also appears when views are switched.
Toggle Display	Display title → ● In Landscape View, each key press toggles indicators (icons) and captions on/off. (Each key press also switches time bar position regardless of whether caption is shown.)
Toggle View ³ /Full Display	 ● When Data Broadcast Mode is off, each key press toggles views. ● When Data Broadcast Mode is on, each key press toggles normal/full display.
Data Broadcast Mode On/Off	 ● In Landscape View, turn program title on.

¹ Unavailable if file is under 10 seconds long

² Unavailable if file is under 30 seconds long

³ Available only when Motion Control Setting (P.18-6) is **OFF**.

Viewing Captured Screenshots

Main Menu ► Data Folder ► TV ► Image

- 1 Select an image


Timer



- Set up to 100 timer entries to watch or record programs.

Main Menu ► TV

- 1 **Timer Watching** or **Timer Recording**

- 2  [New] → Select an item (See below)

Item	Operation/Description
Start date setting	Set date and time to start and end viewing/recording a program
End date setting ¹	<ul style="list-style-type: none"> > Select an item · Enter date → Enter a date and time · Choose date → Select a date → Enter date and time
Channel	> Select a channel
Edit title	> Enter a program name
Repeat	> Select a repeat type → For Select day , select a day (days) →  [Finish]
Alarm notice ²	> ON or ON/Set time → For ON/Set time , select an alarm time

Item	Operation/Description
Alarm tone ²	> Select an alarm type → Select a folder → Select an alarm
Alarm on/off ¹	> ON or OFF
Alarm volume	<ul style="list-style-type: none"> >  to adjust volume • For Timer Recording, Escalating Tone cannot be set.
Activate TV w/ alarm ²	<ul style="list-style-type: none"> > ON or OFF • When ON is set, Digital TV activates from alarm notification window.
Priority ¹	Set handset response when Timer Recording starts > Recording or Operation <ul style="list-style-type: none"> • When Recording is set, active function suspends/ends, and recording starts. • When Operation is set, confirmation appears. To suspend/end active function, select YES and  to start recording.

¹ Timer Recording only

² Timer Watching only

- 3  [Finish] → For **Timer Recording**, select **YES** or **YES (confirm once)**

Note

- Select timer entries to check details; [Edit] to edit details.
- Timer Recording does not start if Internet and two other functions are active simultaneously.
- Alarm does not sound for Timer Watching/Timer Recording in following functions. For Timer Recording, complete followings (in parentheses) one minute before timer starts; otherwise, recording does not start.
 - While handset is off (Turn on handset)
 - While Privacy Key Lock is active (Cancel lock)
 - While Personal Data Lock is active (Cancel/change lock)
 - During data transfer (Complete transfer)
 - During Infrared transmission, IC transmission or Bluetooth® transmission (Complete transmission)
 - During software update (Complete update)

Other Timer Operations**Main Menu ▶ TV****1 Timer Watching or Timer Recording****2 [Menu] → Select an item (See below)**

Item	Operation/Description
New	Set a timer entry to watch/record a program (P.5-13)
Edit	Edit entry details (P.5-13)
Sort	Sort timer entries > Select an order
Delete this	> YES
Delete past	Timer entries with start/end time set prior to current date/time are deleted > YES
Delete selected	> Check timer entries to delete → [Finish] → YES
Delete all	> Enter Phone Password → YES
Memory Status*	Show memory status

* Timer Recording only

Checking Timer Recording Results**Main Menu ▶ TV****1 Recording Result → Select a result**

- Details appear.