Digital TV

5

Basics

941P supports One Seg terrestrial digital TV broadcasting.

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.18-15).

- 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.18-15) or AV output (P.11-18).
- 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 too 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.18-15) 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.
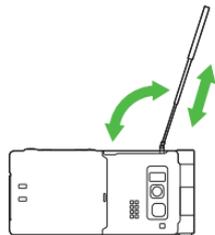While ticker appears, press 〔☑〕 to view messages. TV sound plays in background while viewing messages. Press 〔クリア〕 to return to previous window.

● Show or hide ticker (Mail Ticker Display: ☞P.18-15).
● When ticker is set to Off, TV pauses, incoming message window appears and ringtone sounds. Set Receiving Display (☞P.18-22) to **Operation Preferred** to notify of incoming messages only with ✉.
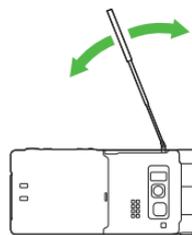
TV Antenna

Extend TV Antenna for optimal viewing.

● Adjust TV Antenna direction to optimize signal reception.
● Retract TV Antenna after viewing Digital TV.

Pull out completely   Rotate without force

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 → [ʏ][**Menu**] → *Delete* → *YES*
● Selected Channel List cannot be deleted.

■ **Delete Channels from Channel List**
> Highlight a Channel List → [⊠][**Detail**] → Highlight a channel →
   [ʏ][**Menu**] → *Delete* → *YES*
● Channels in selected Channel List cannot be deleted.

■ **Edit Title**
> Highlight a Channel List → [ʏ][**Menu**] → *Edit title* → Edit

■ **Reassign a Remote Control Number (Keypad) to a Channel**
> Highlight a Channel List → [⊠][**Detail**] → [ʏ][**Menu**] →
   Remote control # → Select a channel → Select a new remote control number → [⊠][**Finish**] → *YES*

Watching TV

● Set channels beforehand (⇨P.5-4).
● Switch Normal Position/Horizontal Open Position for portrait/landscape view while viewing TV.

1 📺

Viewer appears.

```
Program Title
ON V. img ON Caption

ありがとう…♪

○○ワンセグ
今日のお天気
お知らせ
グルメ情報

Disp       13ch       12
EPG            Menu
TV/data  Record  Wide
```

Viewer

2 Select a channel

Direct Channel Access	① - ⑨ ＊(Channel 10) ⓪(Channel 11) ＃(Channel 12)
Previous/Next Channel	◯
Channel Search	Press and hold ◯ ● To stop: ☒**[Cancel]** / クリア/戻る

3 To end TV, ◯ → **End TV**

● To play TV sound in the background: ◯ → **Change to BGM**

■ **Switch Landscape/Portrait View in Normal Position**
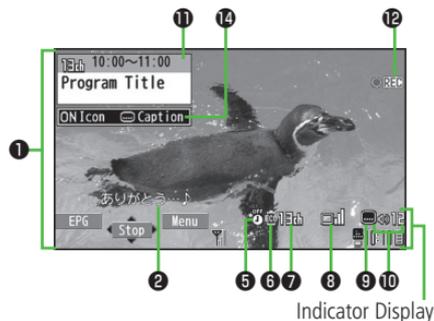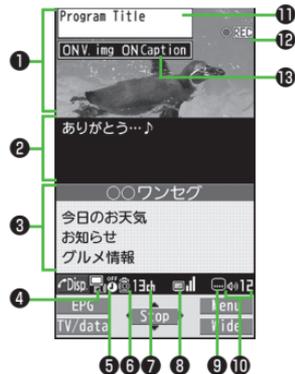> 📷

● Press to toggle views.

Note
● Alternatively, **Main Menu ▶ TV ▶ Watch TV**
● Set Digital TV to activate upon opening handset to Horizontal Open Position (Horizontal View: ⇨P.18-14)

Tip ●
●Use Bluetooth® Device for Listening to Music (⇨P.11-10)
●View handset TV images on a TV set (⇨P.11-18)

Indicators

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

	Item	Description	Operation
❶	Image	–	–
❷	Captions	–	–
❸	Data Broadcast	(☞P.5-7)	–
❹	Data Broadcast Mode	🔳 Data Broadcast Mode off 🔳 Data Broadcast Mode on	🄼[**TV/data**][2]
❺	Off timer	(☞P.5-9)	–
❻	ECO Mode	(☞P.18-15)	–
❼	Channel	(☞P.5-4) ● When multiple programs are available in the same broadcasting station, "service number/total numbers" appears.	–
❽	Signal Strength Level	📶 📶 📶 ✖ Strong◀─────▶Weak Out of range	–
❾	Receiving Captions	–	–
❿	Volume	–	● Adjust volume: 🔘[1]/▲▼ ● Mute/Resume: 🔙[1]
⓫	Program Title	–	⌒/☑[3]
⓬	Recorder Status[1]	🔴REC Recording 🔴REC Timer Set	(☞P.5-11, P.5-13)
⓭	Display/Caption[2]	Display: ON/OFF/Large Caption: ON/OFF	⌒ ● Each key press toggles settings.
⓮	Indicator/Caption[3]	Indicators: ON/OFF Caption: Upper position/Lower position/OFF	⌒ ● 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

Indicator Display

5 Digital TV

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 (Wide Screen).

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 > **ON** or **OFF**
Remaster	Adjust sound quality to reproduce original sound > **ON** or **OFF**
Listening	Adjust to natural sound when using earphone or Bluetooth® device > Select an item 　· **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 　· **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	> Press and hold 🔘 ● To return to viewer: While Yahoo! Keitai is active, press and hold 🔘
Access Internet via PC Site Browser	> ☐(MULTI) → **Open Menu** → **Yahoo!** → **PC Site Browser** ● Follow onscreen instructions
Make a Voice Call/Video Call	> ☐(MULTI) → **Stand-by display** → Enter a number → 📞 (For Video Call, ✉**[V. Call]**) ● Interrupt TV during call. After call, TV resumes. ● Recording will not be interrupted.
Use Messaging	> ☐(MULTI) → **Stand-by display** → ✉

■ 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	> Select an item · **Channel info**: View channel details. Select a channel to watch that Station · **Channel List**: View Channel List (⇒P.5-4) · **Channel Setting**: Set channels for your area (⇒P.5-4) · **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]	**>** Select an item · **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 · **Images**[2]: Show/hide images on Data Broadcast sites · **Sound Effect**[2]: Turn on/off sounds from Data Broadcast/sites · **Reset Settings**[2]: Show confirmation on Data Broadcast
TV link list[1]	Show TV Link details
Compose message	Compose a message while audio continues (☞From Step 2 on P.14-4)
Settings	**>** Select an item · **Display/operation → Switch display**[1]: Switch view (switch image size/image off) · **Display/operation → Switch TV/data BC**[1]: Toggle Data Broadcast Mode on/off (☞P.5-7) · **Display/operation → Icons**[2]: Set Indicator Display in Landscape View · **Display/operation → AV output**: View a Digital TV image on a TV set or other devices (☞P.11-18) · **Display/operation → Work When Folded**[2]: Continue or end TV when handset is closed

Item	Operation/Description
Settings	· **Video → Brightness**: Set Back Light brightness · **Video → Mobile W-Speed**[2]: Enhance frame rate of TV images automatically · **Video → Image Quality**[2]: Select an image quality · **Video → LCD AI**: Activate image compensation according to Back Light · **Sound → Sound Effect**[2] (☞P.5-7) · **Sound → Main/sub sound**: Set main/sub sound · **Sound → Switch audio data**: Available only when multiple audio data are supported · **ECO Mode**[2]: Set power saving mode (☞P.18-15) · **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.18-15).

TV Links (Japanese)

Saving TV Links

● Following function is not available in Landscape View (Wide Screen).

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 [Y?][**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 · **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.10-18
● Save up to 2GB of data at a time.

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

* Average recordable time per 2GB microSD

● Recording is unavailable when signal strength drops to ▨.

1 Activate TV → ⦿**[Record]**

 ◉REC 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.
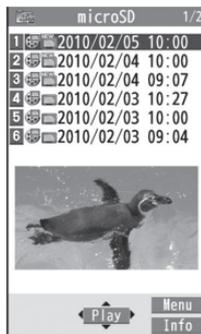● Capturing is disabled during AV output.

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.

```
         microSD    1/2
1 📼 📺 2010/02/05 10:00
2 📼 📺 2010/02/04 10:00
3 📼 📺 2010/02/04 09:07
4 📼 📺 2010/02/03 10:27
5 📼 📺 2010/02/03 10:00
6 📼 📺 2010/02/03 09:04
```

◀ Play ▶   Menu
            Info

Example: Video Folder

2 ⁽ᶜˡʳ/ᵇᵃᶜᵏ⁾ 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 Data View	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 Display View[3]/Data View	📷 ● When Data Broadcast Mode is off, each key press toggles views. ● When Data Broadcast Mode is on, each key press toggles Data View.
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] Unavailable in Horizontal Open Position

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
Channel	**>** Select a channel
Title	**>** Enter a program name
Start date	Set date and time to start and end viewing/recording a
End date[1]	program **>** Select an item · **Enter date** → Enter a date and time · **Choose date** → Select a date → Enter date and time
Repeat	**>** Select a repeat type → For **Select day**, select a day (days) → ⌨**[Finish]**
Alarm[2]	**>** **ON** or **ON/Set time** → For **ON/Set time**, select an alarm time

Item	Operation/Description
Tone[2]	**>** Select an alarm type → Select a folder → Select an alarm
Alarm[1]	**>** **ON** or **OFF**
Alarm vol./ Volume	**>** 🔘 to adjust volume ● For **Timer Recording**, Escalating Tone cannot be set.
Act. TV w/ alarm[2]	**>** **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** ● 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 ᵞ**[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.