

# Digital TV



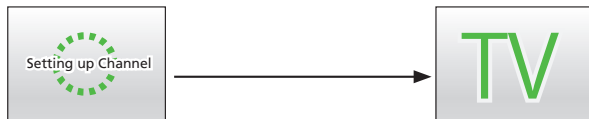
<b>Enjoy One Seg in Wide Screen</b> .....	<b>6-2</b>
One Seg .....	6-2
<b>Precaution for Watching TV</b> .....	<b>6-3</b>
Reception .....	6-3
Battery .....	6-3
Charging .....	6-3
Antenna .....	6-3
<b>Channel Setup (Area Setup)</b> .....	<b>6-4</b>
Using TV for the First Time (Area Setup) .....	6-4
<b>Watching TV</b> .....	<b>6-4</b>
Watching TV .....	6-4
G-Guide Mobile (Japanese).....	6-6
Data Broadcast (Japanese).....	6-6
TV Links .....	6-6
<b>Record/Playback Programs</b> .....	<b>6-7</b>
Precautions .....	6-7
Recording Programs .....	6-8
Playing Recorded Programs.....	6-8
<b>TV Timer/TV Timer Recording</b> .....	<b>6-9</b>
Precautions .....	6-9
Setting Timer via EPG .....	6-9
Manual Timer Settings.....	6-10
Viewing Reservation .....	6-10
<b>Receiving Call While Watching TV</b> .....	<b>6-11</b>
Receiving Call.....	6-11
Receiving Mail.....	6-11
<b>Advanced Settings</b> .....	<b>6-11</b>
While Watching TV.....	6-11
TV Timer/TV Timer Recording.....	6-14

## Enjoy One Seg in Wide Screen

This handset supports One Seg terrestrial digital broadcasts. One Seg is referred to as "Digital TV" in this guide. In this chapter, methods to watch Digital TV are described.

### Setting up Channels

Set up channels to watch Digital TV (☞P.6-4).



### Watching TV

In Standby, press  for 1 + seconds to activate TV (☞P.6-4).

## One Seg

One Seg is a terrestrial digital broadcast service supporting mobile television and Data Broadcasts in Japan. The 6 MHz band assigned to each digital channel is divided into 13 segments: 12 dedicated to HDTV broadcasting and the remaining "One Seg" to mobile devices.

One Seg service began on April 1 2006, in the three largest urban areas and 13 prefectures in Japan.

For details, access the Association for Promotion of Digital Broadcasting Website:

- The Association for Promotion of Digital Broadcasting Website:  
<http://www.dpa.or.jp/english/> (PC)  
<http://www.dpa.or.jp/1seg/kl/> (Mobile) Japanese

### Downloading Electric Program Guide



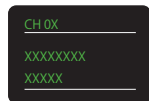
Download an electric program guide to find the desired TV program (☞P.6-6).

### Recording/Playing/Reservation



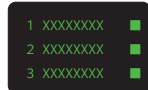
Record and reserve TV Programs with TV timer recording. Play recorded programs (☞P.6-7).

### Watching Data Broadcasts



Watch Data Broadcasts to get program-related information (☞P.6-6).

### TV Link



Join a program through TV links (☞P.6-6).

## Precaution for Watching TV

Please confirm the following precautions before using TV.

- This handset supports One Seg terrestrial digital television broadcast service available only in Japan.
- Do not use TV while driving a vehicle or riding a bicycle. (Mobile phone use while driving is prohibited by the revised Road Traffic Law since November 1 2004.) For TV use while walking, road safety precautions should always apply.
- Incoming transmissions may affect audio/visual signal. Use of another handset near this handset may also affect TV.
- Use Stereo Earphone Microphone (Optional) where viewing Digital TV with Speaker is inappropriate.


## Reception

Digital TV may not be viewable in the following places:

- 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.
- In underground shopping malls or tunnels.
- Anywhere jamming signal is broadcast or reception is blocked.

## Battery

When battery level is , Digital TV is not available.

- If battery runs out while watching, TV automatically ends.

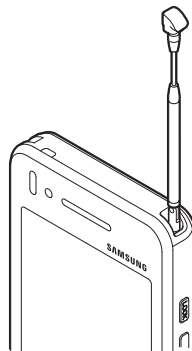
## Charging

Charge battery while viewing Digital TV.

- Use SoftBank approved AC Charger.
- Keep AC Charger cord away from Antenna; may cause interference.
- Charging takes longer when TV is active.

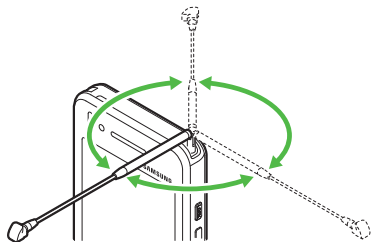
## Antenna

- Handset features a whip Antenna that divides into two segments. Fully extend Antenna until fixed.



- After use, hold base of Antenna to retract it; pressing down on it with force may cause damage. Retract it and replace top bead into handset.
- Extend Antenna when viewing Digital TV, unless a broadcasting station is close. In this case, retract Antenna for better reception.

- For best reception, fold and rotate 360°.



## Channel Setup (Area Setup)

### Using TV for the First Time (Area Setup)

Handset contains local channel information. Before using TV for the first time, specify your area to set up channels.

- 1 (1 + seconds)
- 2 Confirmation appears, choose *Yes*
- 3 Select a region
- 4 Select a province
- 5 Select a local area
  - Channel search starts.
  - To cancel channel search, tap *Cancel*.
- 6 Tap *Next* → *Enter name* → *Select an area*

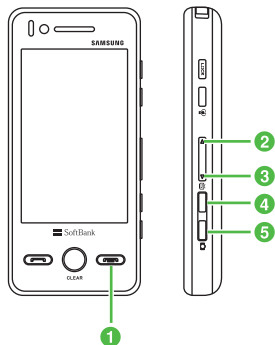
## Watching TV

When Channels are set, watching TV, Program guide, Data Broadcast, and TV links available.

### Watching TV

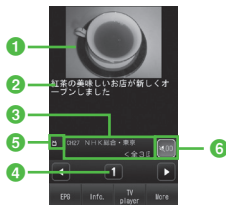
- 1 (1 + seconds)
- 2 Tap *Channel field* → *Select a channel*
  - To change a channel one by one, tap / .
- 3 To exit TV, → *Yes*
  - To adjust volume while watching TV, press / .

## Key Assignments

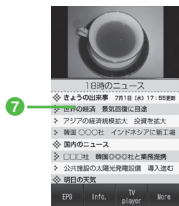


No.	Function
1	Exit TV
2 3	Adjust Volume
4 (1 + seconds)	Activate TV
5 (1 + seconds)	Record/End recording

## TV Window



Portrait/Show 3 to 6  
(With Subtitle)



Portrait/Show  
Data Broadcast



Landscape/Show 3 to 6



Landscape/Hide 3 to 6

- 1 TV Image
- 2 Subtitle
- 3 Station Name/Program Name
- 4 Channel
  - When no channel is set, appears.
- 5 Signal Strength
- 6 Volume
- 7 Data Broadcast

- To change to Portrait view or Landscape view, hold handset vertically or horizontally.
- Tap Display or press any buttons other than or , then 3 to 6 appear for a few seconds.
- Data Broadcast is only available in Portrait view.

## G-Guide Mobile (Japanese)

"Gガイドモバイル" (G-GUIDE Mobile) is a convenient application that combines Program guides for the terrestrial analog and digital broadcasting. Search TV programs by genre or keyword and retrieve them anytime and anywhere.

### 1 → *Program guide*

- Alternatively, in TV window, tap EPG to show Program guide.
- When Program guide is activated for the first time, initial setting window for *Gガイドモバイル* (G-GUIDE Mobile) appears. Perform initial settings to access Program guide.

- To highlight item in EPG, tap  $\uparrow / \downarrow / \leftarrow / \rightarrow$ . Then, tap  $\bigcirc$  to select the highlighted item.
- Highlight program to watch, tap *TV起動* to show TV window. Also, tapping *Select* displays the detailed information of the highlighted program.

## Data Broadcast (Japanese)

In addition to audio/visuals, Data Broadcast is available. Follow onscreen instructions to get program-related information or enjoy interactive TV services.

### 1 While watching TV, $\triangle / \nabla$ to highlight an item → *Select*

- Internet connection confirmation may appear for Data Broadcast/transmissions from broadcaster. Information is free, however, accessing links/related services incurs Internet connection fees.

#### Note

- No Communication fees apply for receiving Data Broadcast. However, Communication fees apply for using interactive services provided by Data Broadcast or services based on the Internet.

## TV Links

Procedures to save links vary by program. Check information in Data Broadcasts.

### Saving TV Links

- ### 1 For a program offering Data Broadcast, select a link source

### Opening TV Links

- ### 1 → *TV links* → Select TV links

## Advanced

### Advanced Settings (P. 6-11)

- Rejecting a Call while Watching TV
- Viewing Program Information
- Selecting Channels via Thumbnail View
- Updating Channels in the Area
- Renaming Areas
- Deleting Areas
- Resetting All Channel Details
- Viewing Area Details
- Changing Channel Numbers
- Deleting Channel Details
- Viewing Channel Details
- Setting Subtitle Display
- Changing to Data Full Screen View
- Returning to Data Broadcast Top Page
- Viewing TV Links
- Switching to Bluetooth®-Compatible Headset
- Starting Recording While Watching Current Programs
- Ending TV Application
- Deleting TV Links
- Viewing TV Link Details

### Settings

- Select connection notification type (P. 14-18)
- Show or hide Manufacture Number (P. 14-18)
- Delete station data (P. 14-18)
- Show or hide indicators in Landscape view (P. 14-18)
- Set whether to display 4:3 videos in Landscape view (P. 14-18)
- Set whether to display 4:3 videos in Portrait view (P. 14-18)
- Adjust Display brightness (P. 14-18)
- Adjust sound quality (P. 14-18)
- Select language (P. 14-18)
- Select output device (P. 14-18)
- Handle Incoming Calls & Alarms (P. 14-19)
- End TV after set duration (P. 14-19)

## Record/Playback Programs

### Precautions

- Format and insert Memory Card before recording (P. 12-11).
- Never remove Memory Card while recording. Damage or accidental data loss may result.
- Recording is only available with sufficient remaining memory.
- Recording stops when battery runs low; charge battery while recording.
- Recorded programs cannot be copied/forwarded or attached to S! Mail.
- Handset allows up to 12 hours recording per one program. Note that 12 hours recording requires about 2GB of memory card.
- Recording time is approximate 90 minutes with full 256 MB Memory Card.



**Copyrights**

This mobile phone encryption technology prevents unauthorized use through data encryption and authentication. Use only ISDB-T Mobile Video Profile (SD-Video standard) compatible device to playback recorded data. Handset divides recorded files based on this standard.

**Note**

- Copyright laws limit duplicated material to private use only, and prohibit unauthorized use.
- Recorded content may be lost or damaged by accident or malfunction. SoftBank is not liable for any damage resulting from accidental loss/alteration.
- Recorded data cannot be copied to another recordable media, such as other Memory Cards, etc.

**Recording Programs**








- 1 In TV window,  (1 + seconds)**
  - Recording starts.
- 2 Tap Save or  (1 + seconds) to end recording**

- Both TV image and Data Broadcast information (if any) are recorded. Recording without text is also available (▶P.14-18).
- Changing volume, window size, or sound settings does not affect recordings.
- Recorded videos are stored in SD\_VIDEO folder if they are saved in Memory Card.

**Note**

- If Memory/Battery runs low, recording stops (recorded clip is saved).
- When Voice Call request is accepted, recording continues. Confirmation appears for incoming TV Call.
- With movie set for ringtone, TV recording takes priority over the movie ringtone (default ringtone may sound).

**Playing Recorded Programs**

- 1  → TV player**
  - Alternatively, in TV window, tap TV player to show TV player.
- 2 Select a file**
  - Tap  to play a file stored in Memory Card.
  - Playing video is resumed from previously stopped point.
  - Tap  to pause,  to play.
  - Tap  /  to fast forward/rewind. Tap once for x2, twice for x10.
  - Tap  to stop fast forwarding/rewinding.
  - Tap Stop to stop a playing.

- To view detailed information on the recorded program, perform Step 1, then tap Details → Select a file.
- To change the file name, perform Step 1, then tap Rename → Select a file to change → Enter a new file name.
- To delete the recorded file, perform Step 1, then tap Delete → Check a file to delete → Tap Delete.

**Advanced****Settings**

- Set recording type (▶P.14-18)
- Select save location (▶P.14-18)



## TV Timer/TV Timer Recording

### Precautions

Save up to five reservations. However, if **Once** is selected under data in **Reservation list**, only TV programs within 1 week can be recorded/reserved with timer. Set each reservation for up to four hours (dependent on Memory Card capacity). Four hours of recording time requires approximately 680 MB.

#### Precautions for Timer Recording

- End the current operations.
- Adjust Antenna to gain good TV reception.
- Confirm battery is adequately charged (or record while charging).
- Check there is enough free space on Memory Card.

#### Saving location for recorded programs

- If the saving location for recording video is set to Memory Card without Memory Card inserted, they will be saved in handset.
- If there is not enough free space on set saving location (phone or memory card), recorded video is saved in the alternative memory (memory card or phone).

#### Start/End Time

Digital TV receives programs slightly after scheduled start time; recording may start before reserved program.

Recording ends a few seconds after Timer end time.

#### Precautions for Timer

- Confirm Key lock is canceled.
- Confirm **Auto lock** is set to **Off**.

#### Via EPG (P.6-6)

Use EPG to Record or view program.

#### Note

- If Key Lock is activated, TV program does not start even at the start time. However, recording starts.


## Setting Timer via EPG

1  → **Reservation list**

2 **Tap New** → **Via EPG**

- See EPG application's help menu for operational instructions.


## Manual Timer Settings

- 1  → *Reservation list*
- 2 Tap **New** → *Manual*
- 3 Under *Recording, On or Off*
  - Set *On* to record, *Off* to watch.
- 4 *Date* → *Once* → Tap **date field** → Enter date
- 5 *Start time* → Enter Start time
- 6 *End time* → Enter End time
- 7 *Channel* → Select a channel
  - Tap **Manual** to enter a channel number.
- 8 Tap **Save**

- Display and Alarm activate at alarm notification time before reservation.

Exit all active functions; Handset returns to Standby.

## Viewing Reservation










- 1  → *Reservation list*
- 2 *Reserve or Result* → Select an item to view
  - Switch *Reserve* or *Result* tabs to view reservations before/after Start time.

## Advanced

### Advanced Settings P.6-14

- Editing Reservations
- Deleting Reservations
- Viewing Memory Remaining


### Settings

- Set Alarm ( P.14-17)
- Set alert tone ( P.14-17)
- Set volume ( P.14-17)
- Set vibration ( P.14-17)
- Set notification light ( P.14-17)
- Set reminder time ( P.14-17)
- Set alarm duration ( P.14-17)
- Set alarm sound or vibration in Manner mode ( P.14-17)
- Set Save Location ( P.14-18)

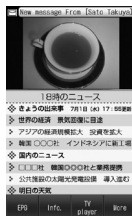
## Receiving Call While Watching TV


### Receiving Call



Incoming call window appears. Press  to answer a call.  
The other party's phone number appears during the call. End the call to return to Digital TV.

### Receiving Mail



Sender's address, etc. appears at top of Display.  
Tap the ticker to view messages. Press  to return to TV window.

- When returning to Standby leaving messages unread, total number of new and unread messages is shown on Received msg.
- Voice Call or incoming message may affect the quality of TV audio or visual reception. Handset use near handset while TV is active, may affect audio or visual reception quality.

## Advanced Settings

### Advanced Settings

#### While Watching TV

##### Receiving a Call

 while watching TV

- When the call ends, handset returns to TV window.

##### Rejecting a Call while Watching TV

Tap Reject in incoming call window

##### Viewing Program Information

In TV window, tap Info.

##### To view Program Details

Select a program

##### To set timer recording

Tap Record → Select a program

- If you select a program that is currently on air, the recording immediately starts.

##### To set timer watching

Tap Program → Select a Program

##### To view Reservation List

Tap Reserved list → *Reserve/Result*

##### To view free memory space

Tap Memory remain → *Phone/Memory card*

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### Selecting Channels via Thumbnail View

In TV window, tap More → **Channel preview** → Select a channel

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### Changing Reception Areas

In TV window, tap More → **Set channels** → **Change area** → Select an area

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### Setting Reception Areas

In TV window, tap More → **Set channels** → **Change area** → Select an available area → **Yes** → Select a region → Select a province → Select a local area → Tap Next → Enter a name → Tap OK

- Up to 10 areas can be set.

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### Updating Channels in the Area

In TV window, tap More → **Set channels** → **Change area** → Tap Update

#### ■ To update all channels

**Update all** → Select an area → **Yes**

- Delete saved channel then update starts.

#### ■ To update further

**Update further** → Select an area

- Add newly received channel; or overwrite saved channel with same No.
- Alternatively, tap More in TV window → **Set channels** → **Channel switch** → Tap Update → **Update all** or **Update further** → **Yes** as required

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### Renaming Areas

In TV window, tap More → **Set channels** → **Change area** → Tap Rename → Select an area → Enter name → Tap OK

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### Deleting Areas

In TV window, tap More → **Set channels** → **Change area** → Tap Delete → Select an area → **Yes**

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### Resetting All Channel Details

In TV window, tap More → **Set channels** → **Change area** → Tap More → **Reset** → **Yes**

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### Viewing Area Details

In TV window, tap More → **Set channels** → **Change area** → Tap More → **Details** → Select an area

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### Switching Channels

In TV window, tap More → **Set channels** → **Channel switch** → Select a channel

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### Changing Channel Numbers

In TV window, tap More → **Set channels** → **Channel switch** → Tap Move → Drag channel to desired location → Tap OK

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### Deleting Channel Details

In TV window, tap More → **Set channels** → **Channel switch** → Tap Delete → Check channels to delete → Tap Delete → **Yes**

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### Viewing Channel Details

In TV window, tap More → **Set channels** → **Channel switch** → Tap Details → Select a channel

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### Saving Channel Details

In TV window, tap More → **Set channels** → **Save channel** → Select a channel → **Yes**

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### Setting Channel Selection

In TV window, tap More → **Set channels** → **Select setting** → Select an item

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### Setting Subtitle Display

In TV window, tap More → **Show subtitle** or **Hide subtitle**

- **Show subtitle** and **Hide subtitle** are TV program dependent feature.
- Sometimes subtitle area is indicated without subtitle.

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### Changing to Data Full Screen View

In TV window, tap More → **Data view**

- Tap TV for TV image.

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### Returning to Data Broadcast Top Page

In TV window, tap More → **Back to top**

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### Viewing TV Links

In TV window, tap More → **TV links** → Select target TV link → **Yes**

- Tap TV links to connect to the network.

## Switching to Bluetooth®-Compatible Headset

In TV window, tap More → *Transfer to headset* → Drag device to connect to 

- If *Transfer to headset* is set, volume adjustment on handset is unavailable. Adjust on headset.
- Only Bluetooth® stereo headphones are compatible with "SCMS-T" the copyright protection standard.
- Playback with monaural headset is unavailable.
- If no device is registered, search and register new device.
- To set handset as sound output device while watching TV, tap More → *Transfer to Phone*.

## Setting TV Alarm

In TV window, tap More → *Settings* → *TV alarm*

### To set Alert tone

*Alert tone* → Select a save location → Select a file

### To set Volume

Adjust volume in Volume field

### To set Vibration

*Vibration* → Select an item

### To set Light

Under *Light*, *On* or *Off*

### To set Reminder time

*Reminder time* → Select an item

### To set Duration

*Duration* → Select an item

### To set Manner mode setting

*Manner mode setting* → *Alarm sound/Vibration* → *On* or *Off*

## Setting Data Broadcast Preference

In TV window, tap More → *Settings* → *Set broadcast data*

### To set recording type

*Set recording* → Select an item

### To select save location

*Image location* → Select an item


### To select connection notification type

*Notify connection* → Select an item

### To set manufacture No. notification

Under *Manufacture number*, *On* or *Off*

### To delete station data

*Delete station data* → Select  to delete → *Yes*

- To delete all stations, tap Delete all → Enter Phone Password → Tap OK → *Yes*

## Setting Screen

In TV window, tap More → *Settings* → *Display*

### To set Display pictogram

Under *Display pict*, *On* or *Off*

### To set Landscape view

*Landscape style* → Select an item

### To set Portrait view

*Portrait style* → Select an item

### To adjust the screen brightness

Adjust the screen brightness in the brightness control field

- This setting only appears when the backlight brightness is set to *Manual*.

## Changing Sound Setting

In TV window, tap More → *Settings* → *Sound*

### To adjust sound quality

*Sound mode* → Select an item

### To select language

*Sound language* → Select an item

## Setting the Saving Location for Recorded Files

In TV window, tap More → *Settings* → *Save recording to* → Select an item

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## Handling Incoming Calls & Alarms

In TV window, tap More → **Settings** → **Calls & Alarms** → Select an item → Select action

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## Setting Auto Power Off

In TV window, tap More → **Settings** → **Auto power off** → Select an item

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## Starting Recording While Watching Current Programs

In TV window, tap More → **Start recording** → Tap Save

- Alternatively, while recording, tap More in TV window → **Stop recording** → **Yes** to end recording.

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## Ending TV Application

In TV window, tap More → **End application**

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## Deleting TV Links

 → **TV links** → Tap Delete → Check TV link to delete → Tap Delete → **Yes**

- Alternatively, while watching TV, tap More → **TV links** → Tap Delete → **Yes**

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## Viewing TV Link Details

 → **TV links** → Tap Details → Select a link to view


- Alternatively, while watching TV, tap More → **TV links** → Tap Details.

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## TV Timer/TV Timer Recording

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### Daily or Weekly Timer Recording

 → **Reservation list** → Tap New → **Manual** → Date → select **Once** or **Everyday** or **Selected days**

- If **Selected days** is selected, select a day to set.


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### Entering Program Name

 → **Reservation list** → Tap New → **Manual** → **Program** → Enter Program name

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### Setting Alarm Timer

 → **Settings** → **TV alarm** → Under **Alarm, On**

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### Editing Reservations

 → **Reservation list** → Tap Edit → Select a reservation → (P.6-10 Manual Timer Settings ) → Tap Save

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### Deleting Reservations

 → **Reservation list** → Tap Delete → Check reservations to delete → Tap Delete → **Yes**

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### Viewing Memory Remaining

 → **Reservation list** → Tap Memory remain → **Phone/Memory card**