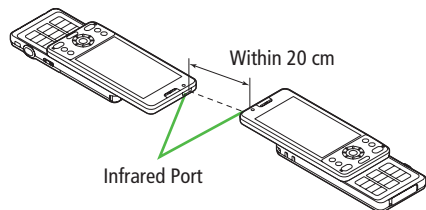# Connectivity

Infrared

Before Using Infrared

Transfer Phone Book/Calendar events, messages, bookmarks and Data Folder files wirelessly between handset and compatible devices, including PCs and other mobiles.

● 001P infrared function is based on IrMC1.1, however, some IrMC1.1-based device transmissions may not be transmitted/received within specification.
● Debris may inhibit infrared transfers; clean infrared ports with a soft cloth beforehand.
● Direct sunlight/fluorescent light may inhibit transfers.
● Align infrared ports within 20 cm of one another and make sure no objects are placed between them. Do not move the devices until transfer is complete.

Within 20 cm

Infrared Port

Transferable Files

File	One file	All files
Phone Book (Account Details)	Available	Up to 1000
Calendar events[1]	Available	Up to 1000
Tasks	Available	Up to 100
Received message	Available	Up to 3000
Sent message	Available	Up to 1000
Drafts	Available	Up to 10
Notepad	Available	Up to 20
Ring Songs&Tones	Available	N/A
Still image[2] [3]	Available	N/A
Video[3]	Available	N/A
Bookmark (Yahoo! Keitai, PC Site Browser)	Available	Up to 100 each
Widget[3]	Available	N/A

[1] Saved Holidays/Memorial days and Handwriting Diary not transferable

[2] Including Flash® files

[3] Multiple files transferable

Note

● Following files cannot transfer:
　・ Files prohibited for transfers from 001P
　・ Phone Book entries and SMS on USIM Card
● If memory becomes full, remaining entries are truncated

Sending

One/Multiple File Transfer

1 Highlight a file, and follow the steps below

Files to Send	Operation/Description
Phone Book	> [Menu] → **Send Ir data** → **Send phonebook**
Account Details	> [Ir]
Messages	> [Menu] → **Send Ir data** → **Send This**
Bookmarks	> [Menu] → **Send to ExtrnlDvcs** → **Send Ir data** → **Send This**
Still Images/ Videos/Widgets	> [Menu] → **Send Ir data** ● To send multiple files: [Menu] → **Multiple-choice** → Check files to send → [Menu] → **Send Ir data**
Other Files	> [Menu] → **Send Ir data**

2 **YES**

All File Transfers

Precaution
● Receiving all files overwrites all saved files including secret/protected files.
● Sending all Phone Book entries transfers Account Details as well. User-saved Account Details is overwritten on receiving handset (handset number remains).

Session Number
Session number (4 digits) is required for all file transfers via Infrared and IC transmission. Sender and recipient must enter same Session number to complete transfers.

1 Highlight a file → [Menu] → follow the steps below

Files to Send	Operation/Description
Phone Book	**Send Ir data** → **Send all phonebook**
Messages	**Send Ir data** → **Send All**
Bookmarks	**Send to ExtrnlDvcs** → **Send Ir data** → **Send All**
Other Files	**Send all Ir data**

2 Enter Phone Password → Enter Session number → **YES**

Receiving

Main Menu ▶ Tools ▶ Receive via Infrared

1 **One/Multiple File Transfer**
Receive → When a file is received, **YES**
Send files from sender side within 30 seconds.

All File Transfers
Receive All → Enter Phone Password → Enter same Session number as sender's → **YES** → **YES**
Saved files are deleted, and transfer starts.

Bluetooth®

Notes

- Bluetooth® connection is not guaranteed with all Bluetooth® devices.
- Establish connections with certified Bluetooth® devices that meet the specification standards developed by Bluetooth® SIG.
- Due to the unique characteristics/specifications of a certified Bluetooth® device, connections or transfers may fail; procedures, displayed results or operations may vary from those described in the manual.
- When data transfer is interrupted, it may take some time for process to complete.
- Noise may interfere with wireless or handsfree conversations depending on the status of connected devices or signal conditions.
- For details about headset/handsfree devices, see the device manuals.
- Bluetooth® and Wi-Fi are not simultaneously available.

Radio Wave Interference with Wi-Fi Devices

Bluetooth® and Wi-Fi devices (IEEE802.11b/g) share the same frequency band (2.4 GHz). Use of both devices in close proximity may cause interference, affecting transmission speed, clarity or connection quality. If interference occurs:

- Maintain at least 10 m between Bluetooth® and Wi-Fi devices.
- Turn off Wi-Fi device when using Bluetooth® device within a 10 m radius.

Searching & Pairing Devices

Main Menu ▶ Tools ▶ Bluetooth ▶ Search&Paired Device

1 **YES***

Device search starts and names of found devices appear.
- To search again: [☑]**[Search]**
* If there are already paired devices in list, select a device → Select a function

2 Select a device → **YES** → Enter Phone Password

3 Select text entry field → Enter Bluetooth® Passkey

4 Select a Bluetooth® function

Handset connects to Bluetooth® device. When complete, [icon] flashes in blue. After no Bluetooth® connection is made for a certain time, [icon] appears in black and Power saver mode starts.
- When Bluetooth® device can connect to multiple services, confirmation appears asking whether to connect to another service.
- While connected, [icon](Blue) appears. While in Standby, [icon](Gray) appears.
- When **Dial-up** is selected, handset stands by for connection requests from other Bluetooth® devices.
- **Dial-up** can be selected regardless of profile types.

Bluetooth® Passkey

Bluetooth® Passkey (1 to 16 digits) is required to connect Bluetooth® devices; sender and recipient must input the same code to complete file transfers.
- Bluetooth® Passkey is not necessary for paired devices.

■ **Search&Paired Device List**

❶ **Device Type**

Indicators appear for different types of devices.

❷ **Device Name**

Device names appear.
When no names are found, Bluetooth® addresses appear.

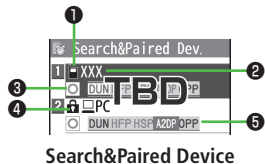**Search&Paired Device**

❸ **Connection Status**

●: Connected ○: Not connected ✕: Not found NEW: Not paired

❹ **Protection**

Indicator appears when registered contents are protected.

❺ **Profile Status**

Indicators appear to show profile status.

Icon	Letter Color	Background Color	Frame Color	Status
HSP	Blue	Gray	—	Not connected (Not paired)
HSP	Blue	Gray	Blue	Not connected (Paired)
HSP	White	Green	—	Connected
HSP	Green	White	Green	Standby for connection
HSP	White	Light green	—	Preferred device
HSP	Gray	Gray	—	Not supported

Suspending Bluetooth® Functions

Suspend all Bluetooth® functions connected or on standby for connection, and disable Bluetooth®.

Main Menu ▶ Tools ▶ Bluetooth

1 *Bluetooth OFF → YES*

● To return to standby for previously connected function: *Bluetooth ON*

Placing Bluetooth® Devices on Standby for Connection

Main Menu ▶ Tools ▶ Bluetooth ▶ Accept Registered

1 Check functions to be on standby for connection ➙ [✉][**Finish**]

● To uncheck, select functions to remove check marks.

Sending/Receiving Phone Book

Sending

1 Open Phone Book ➙ [Y?][**Menu**] ➙ *Send to Bluetooth*

2 **One File Transfer**
Send phonebook ➙ Select a recipient device

All File Transfer
Send all phonebook ➙ Select a recipient device ➙ Enter Phone Password

3 *YES*

Receiving

Main Menu ▶ Tools ▶ Bluetooth ▶ Receive via Bluetooth

1 **One File Transfer**
Receive ➙ *YES*

All File Transfer
Receive All ➙ Enter Phone Password ➙ *YES* ➙ *YES*

6-5

Wi-Fi (Wireless LAN)

Use wireless LAN (Wi-Fi) for Internet connection via home/public Wi-Fi networks enabling high-speed internet access.

- 001P Wi-Fi function supports IEEE802.11b/g.
- Subscription to Keitai Wi-Fi is required to access Internet over Wi-Fi.

Direct Access
Use Direct Browser to view PC sites via Wi-Fi connection.

Before Using Wi-Fi

Notes

- Wi-Fi connection may automatically switch to 3G depending on signal condition.
- Bluetooth® and Wi-Fi are not simultaneously available.
- Wi-Fi is not available while abroad.

Radio Wave Interference with Bluetooth® Devices
Bluetooth® and Wi-Fi devices (IEEE802.11b/g) share the same frequency band (2.4 GHz). Radio wave interference occurs if Bluetooth® and Wi-Fi devices are used in close proximity, causing low transmission speed, noise or poor connection. If interference occurs, take the following measures:
- Keep 10 m or more between Bluetooth® and Wi-Fi devices.
- Turn off Bluetooth® device when using Wi-Fi device within a radius of less than 10 m.

Registering/Connecting to Access Points

Following methods are available for registering/connecting to access points.

Search/Setting	Search access points for registration/connection.
Manual Setting	Manually register/connect to access points.
AOSS	Use AOSS™ (AirStation™ One-Touch Secure System) for registration/connection. For AOSS™-compatible access points, press AOSS button on access point device for automatic setup.
BB mobilepoint	Register to BB mobilepoint and set as access point. ● The BB mobilepoint profile is saved to handset by default. For details on BB mobilepoint, visit http://tm.softbank.jp/english/consumer/wlan/index.html

- Register up to 10 access points.
- User ID and password is required for connecting to pre-registered access points (Public Wi-Fi Setting: ☞P.11-14).
- For setting/operating access point devices, refer to device manual.
- **Wi-Fi connection is not available when access point channel is set to 12-14 ch and stealth mode.**

Access Point Search

Main Menu ▶ **Tools** ▶ **Wi-Fi** ▶ **Profile Lists/Settings**

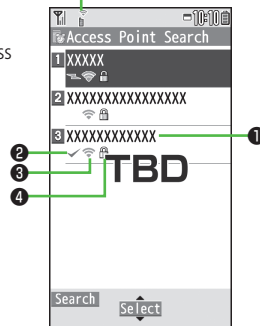**1** 　[Menu] → *New Profile* → *Search&Setting*

Select *YES* when prompted to turn Wi-Fi *ON*.
● To search again: [Search]

2 Select an access point → ●[Store] → *YES* → ●[CNCT]
→ *YES*

■ **Access Point List**

Wi-Fi Status Indicators

　　　Wi-Fi ON (out of range)

／　　Keitai Wi-Fi/Direct Access Available (In-Range/Transmitting)

／　　Direct Access Available (In-Range/Transmitting)

● Number of blue arches indicates signal strength.

❶ **Access Point Name**
Detected SSID (ESSID) appears. Access
point name appears for a registered
access point.

❷ **Registered Networks**
: Registered (not connected)
: Registered (connected)

❸ **Signal Strength**
Signal status appears.

❹ **Security Status**
Security status appears.

TBD

Access Point List

Manual Registration/Connection

Main Menu ▶ **Tools** ▶ **Wi-Fi** ▶ **Profile Lists/Settings**

1 y**[Menu]** → **New Profile** → **Manual Setting**

2 Highlight an item (See below) → ●**[Edit]**

Item	Operation/Description
Profile Name	＞Enter an access point name
SSID	＞Enter the same SSID (ESSID) as access point
IP Setting	Set IP address and DNS server ＞Highlight **IP Address Setting** or **DNS Server Setting** → ●**[Edit]** → **Automatically** or **Manually** (→ For **Manually**, edit respective items)
Security Setting	Set security/encryption method according to access point ＞Select a security type ・**WEP** → Enter WEP key → Enter encryption key ・**WPA/WPA2-PSK** → Enter encryption key ● To cancel security setting: **Non**
Yahoo! Keitai Setting	Select whether to use Keitai Wi-Fi ＞**Accept** or **Not Accept** ● When using Direct Browser only, select **Not Accept**.
Public W-Fi Setting	Set public wireless LAN on/off ＞**ON** or **OFF** (→ For **ON**, select **ID** or **Password** → ●**[Edit]** → Enter ID or password) ● Connection with all public wireless LAN services is not guaranteed.

Proxy Setting	Select whether to use HTTP proxy for Direct Access ＞**YES** or **NO** (→ For **YES**, highlight an item → ●**[Edit]** → Edit)

**3** A**[Store]** → **YES** → A**[CNCT]** → **YES**

Registration/Connection Using AOSS™

Main Menu ▶ **Tools** ▶ **Wi-Fi** ▶ **Profile Lists/Settings**

1 B**[AOSS]**

● Select **YES** to register/connect to an access point after disconnecting from registered access point.

2 Press AOSS button at access point

Press within 120 seconds.

3 A**[Store]** → **YES** → A**[CNCT]** → **YES**

Enabling/Disabling Wi-Fi

1 Press and hold C

Wi-Fi status indicator appears (ZP.XX-XX).

Functions Available for Wi-Fi

■ **Functions Available in Profile List/Setting Window**
＞Main Menu ▶ Tools ▶ Wi-Fi ▶ Profile Lists/Settings ▶ [Ｙ'][Menu]
▶ Select an item (See below)

Item	Operation/Description
Connect	Connect to a registered access point **＞YES**
Change Priority	Change priority for registered access points **＞**Select an access point → (🔘) to move to target → (●) → [✉][Finish]
New Profile	**＞**Select an item · **AOSS** (From Step 2 (Left)) · **Search&Setting** (From Step 2 on P.11-13) · **Manual Setting** (From Step 2 on P.11-14)
New BB mobilepoint	Enter user ID/password to register BB mobilepoint **＞**Highlight an item → (●)[Edit] → Enter user ID/password → [✉][Set]
Edit	**＞**Edit items
Copy	Copy registered access point
Delete	**＞**Select an item · **Delete this** → **YES** · **Delete selected** → Check access points → [✉][Finish] → **YES** · **Delete all** → Enter Phone Password

■ **View Connection Status**
＞Main Menu ▶ Tools ▶ Wi-Fi ▶ Connection Status
● To update status: [✉][Update]

External Devices

SoftBank Utility Software (Japanese)

Phone Book, Calendar, Tasks, messages, Bookmarks, Notepads and Data Folder can be transferred to a PC, edited or managed by using SoftBank Utility Software.

● USB cable (not included) is necessary for using SoftBank Utility Software.
● Set USB Mode to **Communication Mode**.
● For details on and downloading SoftBank Utility Software, visit http://www.softbank.jp/mb/r/sbu/ (Japanese)

USB (Japanese)

Connect handset to a PC via USB cable (not included) specified by SoftBank for data transfer or data communication.

● Transfer data using SoftBank Utility Software.

Setting USB Mode

<Default> Communication Mode

Main Menu ▶ Settings ▶ Connectivity ▶ USB Mode

1 Select an item (See below)

Item	Operation/Description
Communication Mode	Packet transmission, 64K data transmission, data transfer and calls with USB handsfree compatible devices are available
microSD Mode	Read/write data on microSD Card
MTP Mode	Transfer/delete music data via Windows Media® Player on PC

Data Communication via USB Cable

Use handset as a modem for Internet access by connecting handset with a PC.

● Download utility software from URL below and install on PC.
http://panasonic.jp/mobile/support/download/001p/index.html

1 Install "USBドライバ (USB Driver)" and "Modem Wizard" from Utility Software (001P) to a PC

2 Set handset to *Communication Mode*, and connect handset to PC via USB cable

● Power up handset before connecting to PC via USB cable.

3 Start up "Modem Wizard," and operate communication setup

● "Modem Wizard" enables you to set up APN and dial-up easily.
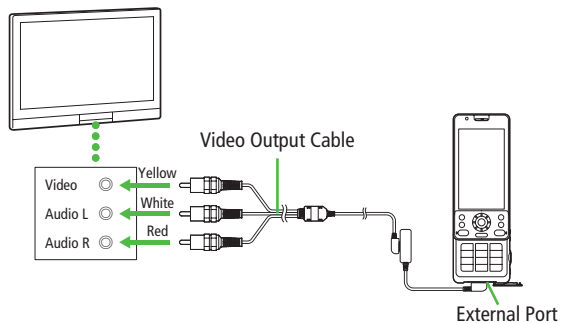For setup/starting procedures, see "Modem Wizard" Help.

Note
● Connecting handset to a PC or PDA for Internet access may incur high packet transmission fees.

Connecting Handset to TV

View the following on a TV set or other devices: Video Call images, Digital TV images, still images/videos saved on 001P.

● To use Video Output Cable (not included), Stereo Earphone Conversion Cable (not included) is required.

Video Output Cable

Yellow
White
Red

Video
Audio L
Audio R

External Port

1 Open External Port Cover

2 Connect Video Output Cable to handset using Stereo Earphone Conversion Cable

3 Connect Video Output Cable to video/audio input terminal on TV set

4 Open an image file on handset

6-11

Camera & Imaging

Before Using Camera

001P features approximately 13.2 Mega Pixel CMOS Auto-focus Camera capable of capturing still images and videos.

Notes

● Remove dust/debris from lens cover with a soft cloth.
● Handset movement may blur images especially in dark places; hold handset firmly.
● Capturing/saving images immediately after handset has been left in a hot place may affect image quality.
● Exposing lens to direct sunlight may affect image quality.
● Photo Light illuminates or flashes while Camera is active. Photo light cannot be turned off.
● Shutter click sounds at fixed volume even in Manner Mode.

Note
● Camera is not available when battery is low.
● Incoming calls, Alarm and low battery cancel Camera. Captured images/recorded videos are retained. Save data when Camera restarts.
● When left in Viewfinder for three minutes, Camera is canceled.

File Formats & Save Location

Still images/videos are saved to Data Folder.

Image Type	File Format	Save Location
Still images	JPEG (.jpg)	Data Folder (Pictures)
Videos	MPEG-4 (.3gp), ASF (.asf)	Data Folder (Videos)

■ **Change Save Location**
＞(*Storage setting* ➜) *Store in* ➜ *Phone* or *microSD*

Note
● When recording time (File size setting: ☞P.XX-XX) is set to *Long time*, videos are saved to microSD Card.
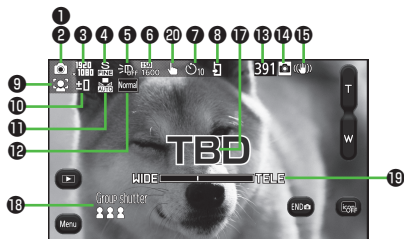
Camera Modes & Positions

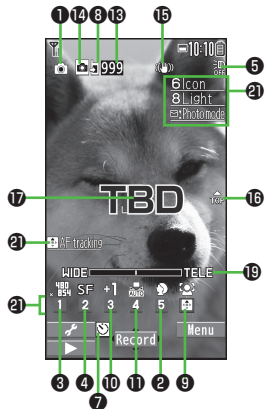| Camera Mode	Still Image	Video
Digicam mode	Available	Available
Photo mode	Available	N/A
Video Camera mode	N/A	Available

Camera Display Indicators
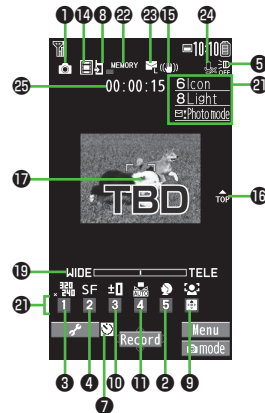
● Images shown below are for reference only.

■ **Digicam Mode**

■ **Photo Mode**

■ **Video Camera Mode**

7-2

●Most icons and operation descriptions are based on Digicam mode. Actual screenshots and operations may differ from actual icons/operations.

❶ **Photo mode**
 🄸🄰 iA (Intelligent Auto) 📷 Normal
 SCN Scene 🄼🅈 MyOriginal
 (For Scene/MyOriginal, indicators may vary depending on setting.)

❷ **Scene**
 🦰 Portrait 🏃 Sports 🍴 Food
 🏞 Scenery 🌃 Night mode 🔆 Backlight
 🄰🄱🄲 Character ⛄ Snow 🌇 Sunset
 🐾 Pet

❸ **Image size**
 Show image size

❹ **Image QLTY**
 🄽🄾🅁🄼 Normal 🄵🄸🄽🄴 Fine 🅂🄵🄸🄽🄴 Super fine

❺ **Photo light**
 🅳🄸🄳 ON 🅳🄸🄾🄵🄵 OFF

❻ **ISO setting**
 🄸🅂🄾 200 - 🄸🅂🄾 12800 200 auto to 12800 auto

❼ **Auto timer**
 Digicam mode: 🕙₁₀ 10 seconds 🕙₂ 2 seconds
 Photo mode/Video Camera mode: 🕙

❽ **Store in**
 📱 Phone 💾 microSD

❾ **Focus**
 😊 FaceDetect 🄰🄵 Auto 🌷 Close-up
 🏔 Landscape 🄰🄵 AF tracking

❿ **Brightness**
 Adjust brightness (Level -3 to +3)

⓫ **White BAL**
 🅰🅄🅃🄾 Auto ☀ Fine ☁ Cloudy
 🔅 Bulb 💡 Light

⓬ **Color mode**
 Normal Normal Sepia Sepia Mono Monochrome
 Vivid Vivid Natural Natural White Whitening
 Suntan Suntan

⓭ **No. of frames**
 Show number of remaining frames

⓮ **Camera-mode**
 📷 Digicam mode/Photo mode
 🎥 Video camera mode
 🔲 Con.set. (Action mode in Digicam mode)
 🄰 / 🄰 / 🄼 Action mode in Photo mode (Auto/Auto bracket/Manual)

⓯ **Img. stabilizer**
 Correct camera shake

⓰ **Top indicator**
 Indicate vertical direction

⓱ **Focus Guide**
 ⌊⌋ Auto focus guide ⌊⌋ AF tracking guide

⓲ **AutoShutter**
 👥 / 👫 / 👫 Love shutter (Friends/Lovers/Lovers+Smile)
 👪 Group shutter (One to Five)
 👤 Smile shutter

⓳ **Zoom bar**
 Indicate zoom level

⓴ **TouchAF/AE**
 👆 Valid 👆🄾🄵🄵 Invalid

㉑ **Key Guidance**
 Show key operation guidance

㉒ **Memory capacity bar**
 Indicate memory status (appears in red when memory is full)

㉓ **File size setting**
 ✉ Mail restrict'n(S) ✉ Mail restrict'n(L)
 🄻🄾🄽🄶 Long time

㉔ **Movie type set**
 Record video without audio

㉕ **Recordable time**
 Indicate recordable time

Key Guidance
●Press ✉**[Guide]** in Digicam mode to view Key operation guidance (Normal Position).
●For Photo mode/Video Camera mode, follow the steps below to change settings:
 ・Press keys indicated by ㉑ (→ 🔘 to select an item)
 ・✉**[🔧]** → 🔘 to select a setting → 🔘 to select an item

Capturing Still Images

■ **Functions Available in Viewfinder**

Picture Viewfinder (Digicam Mode)

	Item	**Description**
❶	Activate Picture Album	Activate Picture Album to view captured images ● Use as a slideshow (⤳P.XX-XX) ● Tap 📷 to return to Viewfinder
❷	Menu	View function menu
❸	Zoom	Adjust zoom level
❹	Cancel Camera	Cancel Camera
❺	Show Indicator	Show/hide indicators

1 ⬚ (🔳) or ⬚

2 Frame subject ➜ ⬚ (🔳) or ⦿

Shutter click sounds at fixed volume, then captured image appears for two seconds.
Image is automatically saved.

3 ⬚ to exit

Continuous Shooting

Capture a succession of six or eight still images. Number of captured images varies by image size.

1 In Viewfinder, ⟨Y⟩**[Menu]** ➜ **Con. set.** ➜ **Continuous**

2 Frame subject ➜ ⬚ (🔳) or ⦿

Continuous shooting starts.
Postview window appears.

3 **Save One**
Highlight a image ➜ ⦿**[Save]**

● To view full-size image: Highlight an image ➜ ⬚**[Scale up]**
(➜ ⦿ to toggle full-size images) ➜ To save the image, ⦿**[Save]**

Save All
⟨✉⟩**[STO all]**

● To return to Viewfinder without saving images: ⬚⬚⬚

Recording Videos

In Digicam Mode

1 ☐(⬛) or ◻

2 Frame subject → (TBD)

3 (TBD) to exit
Video is automatically saved.

In Video Camera Mode

Main Menu ▶ Camera

1 *Video Camera*

2 Frame subject → ⦿**[Record]**,
⓪ or ☐(⬛) to start recording

3 ⦿**[Stop]**, ⓪ or ☐(⬛) to end
recording
Video is automatically saved.

4 ⬅ to exit

Video Viewfinder

Other Camera Functions

Auto Focus Lock

**Bring focus on subject at center of display automatically.
Lock focus on subject, and recompose your picture.**

1 In Viewfinder, ☐(⬛) halfway or ⦿
When in focus, handset sounds. Focus Guide turns green, and focus is locked.
● When out of focus, Focus Guide turns red.
● To cancel focus locked by ⦿ or ✱: ⌫
● To cancel focus locked by ☐(⬛): Release finger from ☐(⬛)

2 Determine composition

3 Capture image in selected camera mode
● In Step 1, press ☐(⬛) halfway to lock focus, then press ☐(⬛) firmly
to shoot.

Camera & Imaging

AF Tracking

Position AF tracking guide on subject. AF tracking guide appears and tracks moving subject while adjusting focus and exposure for subject.

Note
- When Camera is unable to track subject (e.g. when subject is out of Viewfinder), AF tracking is canceled.
- Depending on situation, AF tracking may track unintended subject.
- AF tracking is not available when Auto shutter is in use or certain image size is set.

1 Tap subject in Viewfiner

When subject is recognized, AF tracking guide turns yellow and begins tracking subject.
- To cancel: (CLR)

2 (📷) or (📷) to capture the image

Auto Timer

1 In Viewfinder, [Menu] → *Auto timer* → *10 seconds* or *2 seconds*

- In Photo/Video Camera/Action modes: [Menu] → *Auto timer* → *ON* → Enter time (seconds)

2 (📷) or ●

Auto timer tone sounds. After set period of time, shutter is released and recording starts.
- While Auto timer is active, press [Quit] or to return to Viewfinder without canceling Auto timer.

Note
- Auto timer is not available when Action mode is set to *Manual*.
- Auto Timer is set to *OFF* after capturing.

7-6

Auto Shutter (Digicam Mode Only)

Shutter automatically releases when camera detects certain conditions. Select an Auto Shutter type to specify condition (When Photo mode is set to *Intelligent Auto* or Focus is set to *FaceDetect*).

1 In Viewfinder, **[Y?][Menu]** → *AutoShutter* → Select an item (See below)

Item	Operation/Description
OFF	Cancel Auto shutter setting
Love shutter	Shutter releases when two faces move close together **>** *Friends*, *Lovers* or *Lovers+Smile* ● When *Lovers* is set, distance between two faces is closer than *Friends*.
Group shutter	Camera detects up to five faces. When more people are in frame, Auto timer activates and shutter releases in three seconds **>** Select number of people
Smile shutter	Shutter releases when Camera detects a smiling face. If multiple faces are detected, shutter releases when camera detects a smile in yellow focus guide

7-7