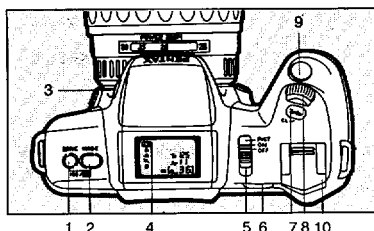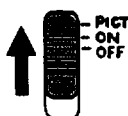# PENTAX PZ-20
SHORT FORM INSTRUCTIONS

CONTROLS

1. Drive Button
2. Mode Button
3. Flash Pop-up Button
4. LCD Panel
5. Main Switch
6. Hyper Button
7. Tv/Av Button
8. Select Dial
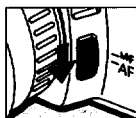9. Shutter Release Button
10. Hot Shoe

MAIN SWITCH OPERATION

[PICT] = Provides the 5 Picture Modes
[ON] = Full-feature mode : all camera functions except for the Picture Mode are available
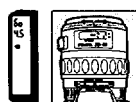[OFF] = Power is off

FOCUSING

Auto focus: set focus mode switch to [AF]
* Aim the AF frame [[ ]] towards the subject.
* Depress the release button halfway down
* The in-focus indicator lights up when the subject is in-focus
* Depress the shutter release to take a picture
Predictive AF Mode : The PZ-20 will automatically switch to this mode and predict the correct focusing distance for moving subjects, to ensure sharp focus at the moment the shutter opens.
Manual: set focus mode switch to [MF]
* Depress shutter release button halfway down
* Turn the focusing ring till the in-focus indicator [◯] lights up in the viewfinder
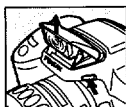
BUILT-IN FLASH (RTF)

* In dark and backlit situations,the [ϟ] symbol blinks in the viewfinder and on the LCD panel to recommend the use of flash
* The built-in flash can be activated by depressing the flash pop-up button
Daylight-Sync Flash: to decrease the contrast
Slow-Speed-Sync: to freeze action in low-light conditions

Red-Eye Reduction Flash Function: to reduce the red-eye phenomenon
1. Press the flash pop-up button until all the indications other than [ϟ] disappear
2. Turn the Select Dial until [◉] appears on the LCD panel.

POWER ZOOM FUNCTIONS

* Push the power zoom ring forward to POWER ZOOM
* Set the Auto Zoom Switch on the lens to 'A'(Auto)
* While holding the Auto Zoom Switch toward [AS], turn the Select Dial until one of the Power Zoom functions blinks on the LCD panel
Zoom Clip Mode [📷]: Memorises a focal length, to store a desired picture area
1. Select the Zoom Clip Mode (LCD indicator [📷] starts blinking)
2. Zoom to the required focal length and press the Zoom Set button on the lens (LCD indicator [📷] stops blinking)
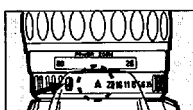3. Depress the Zoom Set Button to move to the memorised focal length.

Image Size Tracking Mode [📷]: Memorises image magnification to keep the subject the same size in the viewfinder
1. Select the Image Size Tracking Mode
2. Zoom to the desired setting
3. Depress the Zoom Set Button to enter the image size
4. Press the shutter halfway down and the camera will automatically zoom to capture the subject at the preset image size.

Zoom Effect [🔲]: The lens zooms automatically from wide to tele (or from tele to wide) during an exposure.
1. Select the Zoom Effect Mode
2. Set the zoom in a wide-angle position
3. Depress the shutter release button and the lens will zoom during the exposure accordingly.

PICTURE MODE

* Set aperture ring to 'A'(Auto) while holding the aperture A lock button down.
* Move the Main Switch to [PICT]
* Turn the select Dial while holding down the Mode Button to set one of the following modes:
* [☺] = Green Operation Mode : fully automated shooting

* [📷] = Portrait Program Mode : tele: crisp focus of subject
                                     wide: deeper depth-of-field

* [📷] = Landscape Program Mode: ensures maximum dept-of-field

* [🏃] = Action Program Mode : faster shutter speeds.

* [🌷] = Close-up Program Mode : gives smaller apertures to maximize the depth-of-field
* The in-focus range (depth-of-field) and the extent of image blur (shutter speed) can be changed with the Select Dial in the different modes (except the Green Operation Mode)
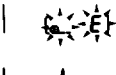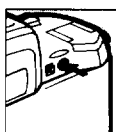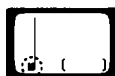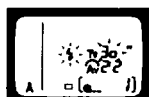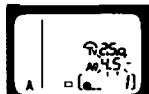
DRIVE MODE

* Turn the Select Dial while depressing the Drive Button to select one of the 3 drive modes:
* [▢] = Single-frame drive
* [▢ᴶ] = Continuous drive
* [⟳] = Self-timer (12 sec. delay)

EXPOSURE MODES

* Set aperture ring at 'A' (Auto)
* Move the Main Switch to [ON] (Full-feature mode)
* Select one of the following 5 exposure modes with the Select Dial,while holding down the Mode Button:
  * **Programmed AE Mode [P]** = gives automatically an optimum combination of shutter speed and aperture .
  The Hyper Program-Shift feature lets you change the shutter speed/aperture combination by rotating the Select Dial.
  To cancel the Hyper Program-Shift, depress the Tv/Av Button.

  * **Shutter-Priority AE Mode[A]** and depress the Tv/Av button so that [⌒] appears above **Tv** = aperture is automatically set for a selected shutter speed .

  * **Aperture-Priority AE Mode [A]** and depress the Tv/Av button so that [⌒] appears above **Av** = shutter speed is automatically set for a selected aperture.
  The aperture can also be set in the Manual F-Stop Setting by turning the aperture ring to a position other than 'A'.

  * **Metered Manual Mode [M]** = gives the possibility to adjust the shutter speed / aperture combination to create different images.
  - Lens Aperture Ring on 'A':
    * the shutter speed is automatically set by pressing the [🔲] button if the [🔾] is on the LCD
    * the aperture is automatically set by pressing the [🔲] button if the [🔾] is on the LCD
    You can switch from Tv to Av and back by depressing the Tv/Av button.
    Shutter speed and aperture can be changed by depressing the [🔲] button while turning the Select Dial
  - Lens Aperture Ring not on 'A' but on an f-stop:
    * the shutter speed is automatically set by pressing the [🔲] button (Hyper Manual)
    Shutter speed can be changed by turning the Select Dial

  * **Manual (Bulb) Mode [M bu]** = for long exposures
  - Lens Aperture Ring on 'A': the aperture can be set with the Select Dial
  - Lens Aperture Ring not on 'A' but on a f-stop:the aperture can be set with the Aperture Ring

EXPOSURE COMPENSATION
* Except in the Metered Manual Exposure mode, Bulb mode and Green Operation mode, exposure compensation is possible between +3EV and -3EV by turning the Select Dial while depressing the [🔲] button.
The exposure compensation can be cleared by depressing the Tv/Av button and the [🔲] button simultaneously.

FULLY AUTOMATIC FILM TRANSPORT
* Auto loading, wind-on and rewind with full LCD information
[🔾__] Ready for shooting

[🔾__ E] Film not properly loaded

[🔾__ 3 6] Film is rewinding

[🔾] Film rewound and ready to take out
* Mid-roll rewinding is possible by depressing the auxiliary rewind button when the camera is on
* Film speed is set automatically when film is loaded with DX- coded film (ISO 25-5000)

PENTAX FUNCTIONS
1. Depress the Mode Button and Drive Button simultaneously until the dots disappear and [PF] is displayed on the LCD panel
2. Select the Pentax Function by depressing the Mode Button
3. Move the Select Dial to set the status

[PF1] Film Speed Selection:
* Turn the Select Dial to set the Film Speed manually

[PF2] Picture Focus while lens is Power-zooming:
0 = Picture focus is maintained
1 = Picture focus is not maintained

[PF3] PCV signal when focus is achieved
0 = PCV signal is on
1 = PCV signal is cancelled

[PF4] Learning function
0 = Learning function works in Picture Mode
1 = Learning function does not work in Picture Mode

[PF5] Clearing the contents of Learning Function entered in each or all Picture modes
* Turn the Select Dial to superimpose [☐] one or all the Picture modes
* Depress the Tv/Av button till [☐] stops blinking and [CL] appears on the LCD panel, indicating that the contents is cleared