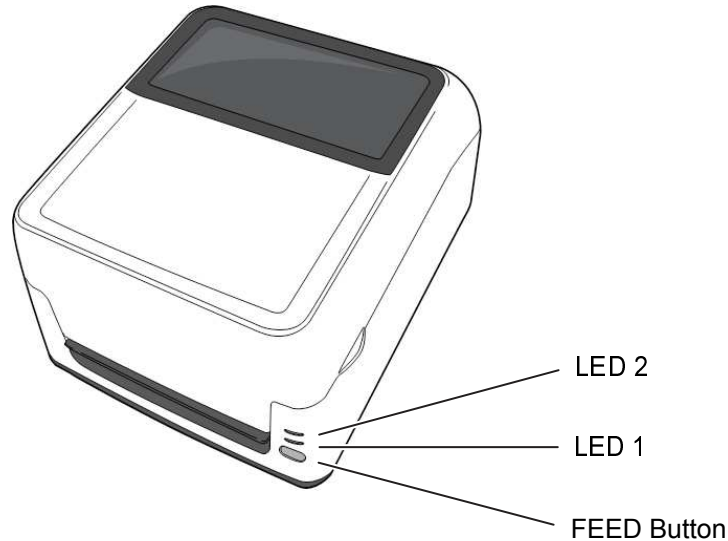# 6. SYSTEM MODE

When the **[FEED]** button is held and the B-FV4 series is turned on, the printer is ready to start the system mode. As the STATUS lamp turns in the following order every 1.5 seconds, release the **[FEED]** button while the STATUS lamp indicates your desired mode to go into it.

LED 2

LED 1

FEED Button

LED 1	LED 2	Mode
Orange	Orange	System Mode Start
Green	Red	Feed Gap (Transmissive) Sensor Adjustment
Green	Orange	Black Mark (Reflective) Sensor Adjustment
Red	Red	Parameter clearance
Red	Orange	Auto call cancellation
Red	Green	Reserved
Orange	Red	BASIC mode setting disable
Orange	Green	Self-Test printing / Dump mode

6.1 Feed Gap Sensor / Black Mark Sensor Adjustments

These modes are used to calibrate the sensitivity of the Feed Gap / Black Mark Sensor.

1. Turn off the printer, make sure the media is correctly loaded, and close the Top Cover.

Note: Do not place a pre-printed area above the media sensor, as doing so disables correct sensor calibration.

2. Press and hold the [FEED] Button while turning on the printer.
3. Both status lights (LED 1 and LED 2) will light up in the following order:
   Orange → Green → Other colour sequences
4. Release the [FEED] button when LED 1 and LED 2 light to match the sensor you want to calibrate.
   Feed Gap (Transmissive) Sensor: LED 1 green, LED 2 in red.
   Black Mark (Reflective) Sensor: LED 1 green, LED 2 orange.
5. Press the [FEED] button. The printer will feed the media and perform the sensor calibration.

6.2 Parameter Clear

When LED 1 lights in red and LED 2 lights in red during the system mode, releasing the **[FEED]** button performs a Parameter Clearance. The printer will restore to default setting and reset automatically.

Parameter	Initial Setting
Tone adjust value(Trans.)	-3
Tone adjust value(Direct)	0
Feed adjust value	0.0 mm
Cut adjust value	0.0 mm
Backfeed adjust value	0.0 mm
X-coordinate adjust value	Not clear
Codepage	PC-850
Zero Font	No slash
Euro Code	0xB0
Control Code	Auto change Mode
Maxi Code Spec	TYPE1 (Normally)
Label Pitch	76.2 mm
Effective print width	104.0 mm
Effective print length	74.2 mm
Print mode	Continuity print
Print speed	203 dpi : 5 ips / 300 dpi : 4 ips
Print sensor select	Transmissive sensor
Auto status response	Disable
Ribbon detect sensor	Not clear
Feed key	Feed
Forward Feed Wait	Enable
Auto Calibration	Not clear
Auto TPH check	Disable
PC save auto call mode	Flash memory
Multiple Label	Disable
BASIC Interpreter	Disable
Reserved item 1	Not clear
Reserved item 2	Not clear
Destination	Not clear
USB Serial number	000000000001
Model Name	Not clear
Printer Serial Number	Not clear
Total Feed 1	Not clear
Total Feed 2 (for MPS)	Not clear
Total Print	Not clear
Total Cut	Not clear
Baud Rate	9600 bps
Data Length	8 bit
Stop Bit	1bit
Parity	Not clear
Flow Control	XON/XOFF

Parameter	Initial Setting
MAC Address	Not clear
IP Address	192.168.010.020
Subnet Mask	255.255.255.000
Gateway	000.000.000.000
DHCP	Disable
DHCP Client ID	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
DHCP Host Name	00000000000000000000000000000000000 00000000000000000000000000000
Socket	Enable
Port Number	8000
SNMP	Not clear
SNMP Trap 1	Not clear
Trap1 IP Address	Not clear
SNMP Trap 2	Not clear
Trap2 IP Address	Not clear

6.3 Auto Call Cancellation

When LED 1 lights in red and LED 2 lights in orange during the system mode, releasing the **[FEED]** button performs auto call cancellation.

6.4 BASIC Mode Setting Disable

When LED 1 lights in orange and LED 2 lights in red during the system mode, releasing the **[FEED]** button performs BASIC mode cancellation.