THERMAL PRINTER	1. Operating Precautions	3. Handling	1		
BL2-58	Observe the following for safe and proper operation.	3.1 Setting thermal paper	3.4 LED indication		
INSTRUCTION MANUAL	■Notes on use	and and	When an error occurs, the POWER/ERROR LED		
This is a Class B product based on the standard of the Voluntary Control Council for Interference by	 Do not subject the printer to strong shocks by 		lights or blinks depending on the type of errors. O:Turn ON for 0.1sec ●:Turn OFF for0.1sec		
Information Technology Equipment (VCCI). If this equipment is used in domestic environments, radio	droping or hitting it. ◆Turn off the power switch and keep the AC plug				oru. 1sec
disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.	removed from the outlet when the unit is not		Status POWER		Recovery
Introduction	used.	A PARTICIPAL OF	(Green)	(Red)	
Thank you very much for purchasing the BL2-58 thermal printer. Read the 'Safet			Standby printing ON	OFF	***
Instructions' and '1. Operating Precautions' carefully before using this printer for safe handling of i			Initializing ON	000	Complete initialization
Save these instructions for future reference.	■Notes on treatment of thermal paper		Recharging 000	●0●0	Complete
Safety instructions	 Store the paper in a dry, cool and dark place. Do not rub the paper with hard substance. 	①Press the cover open button to open the paper		•0•0	charging
To use this equipment safety, or to protect damage to the equipment, the following symbols are use	 Keep the paper away from organic solvent. 	cover.	Temperature 0N	0	<u> </u>
throughout this manual to highlight safety information. Warning The symbol indicates that failure to observe these instructions or mishandling of		②Set the paper roll as shown in the picture (Make	error		Cooling down
Warning The symbol indicates that failure to observe these instructions or mishandling of this equipment could lead to severer injury or death.	film, eraser or adhesive tapes for hours.	sure the printing surface is correct, or it does not	Paper empty 0N	ON	Put paper
▲ Caution The symbol indicates that failure to observe these instructions or mishandling of	◆Do not put the paper on diazo print or wet copy	print properly)	Paper cover 0N	ON	Close the
this equipment could lead to injury or only property damage	that has just been copied.	3Close the paper with the tip end emerging from	open		cover
	■Notes on installation	the tear bar.	Low battery OOOO	0FF	Recharge
Examples of Symbols	 Install the printer on a level or upright and stable surface. 	Handle the tear bar carefully not to injure	-		battery
The \triangle symbol indicates caution (including DANGER or WARNING). The example in the	◆Avoid such places with:	the finger or hand.	Excess recharge O●●●		Contact Sanei
left column indicates that caution or warning conditions exist.	Slanted surface, strong vibration, direct sunlight,		Upper limit 0FF	0FF	Contact Sanei
	full of dust, excessively high or low temperature,	3.2 Battery pack	voltage error	055	
The \heartsuit symbol indicates the action is prohibited. The example in the left column indicates	electromagnetic noise, corrosive gas	Installing battery pack	Lower limit OOOO	OFF	Contact Sanei
disassembly is prohibited.	2. Preparation		voltage error		
	2.1 Unpacking	A BAR ABER AND	2.5 Solf toot print		
The The symbol indicates a required operation that must be performed or an obligatory	When unpacking the printer, make sure the following components are provided.	APSON RETAINS	3.5 Self test print Turning the power swite		ushing the
Instruction. The example in the left column indicates unplugging is required.	Printer unit 1 unit	CARE AND	FEED button starts self		
•	Thermal paper (paper length 15m) 1 roll		character sets and bar		
Marning	Instruction manual Instruction manual				
	• AC adapter 1 piece	①Place the printer upside down. Press both sides	3.6 HEX dump print	a computer	in printed in
Do not use any battery pack, AC adapter and AC power cord.	• AC adapter 1 piece	of the battery cover and lift it up.	Data entered from the hexadecimal numbers.		
Failure to follow this instruction may result in overheating or inflammation, which may lead to	\star For ordering the thermal paper, contact our sales	②Place the battery pack in the case and slide it	button, turn ON the por		
fire or accidents.	office or local distributors.	in the direction shown by the arrow until locked	selecting is printed, pre		
 Describes of the second face "block and as the second block" and as the second s	2.2 Components / parts	③Close the battery cover.	starts the HEX dump m		
Do not bend the power cord forcibly, or place heavy objectives on the power cord. Doing so may damage the power cord and cause fire or electric shock. If the power cord		Remove battery pack			
Doing so may damage the power cord and cause fire or electric shock. If the power cord	Window for checking paper Paper cutter / Paper cover	Perform installation steps in reverse.	3.7 Function set (Sof		. h
Is damaged, discontinue using it.			Sets the printer function ①While pressing the S		
		 Battery charge (Models with built in charger) 	power switch.		n, turn on the
Never disassemble the printer, the AC adapter, the AC power cord, the battery pack or the		①Turn the power ON with connecting AC adapter.	2 After printing the mod	le selectina r	oush the FEFD
battery charger. Failure to follow this instruction may result in overheating or inflammation,		②Press SELECT button on the operational panel	button to enter the fu		
which may lead to fire or accidents.		for 3 sec, then POWER LED and ERROR LED	3When a message is		
		blinking indicates charging.	button for YES and th		
Caution	Operational panel Cover open button IF connector Power connector	③When the battery charging completes, the printer status becomes standby and POWER LED on.	④The printer prints '		
	Insert nut	(4) It takes an average of 3 hours (UR-250), and for	when ending.		
Do not drop any metallic objects nor spill coffee,soft drinksand, water and any other liquid.		Ave.2.5 hours(UR-121) to charge. (Max. 4 hours)	Setting items		
			Classified setting iten		
		\blacksquare With a new full charged battery, the printer prints	COMMON SETTING		
As the thermal head may be very hot immediately after printing, do not touch it. Be sure that the thermal head is cool before removing the paper jam or cleaning the thermal head.		210m in case of UR-250, and prints 140m in case	MODE-B SETTING		compatible
the thermal head is cool before removing the paper jam or cleaning the thermal head.		of UR-121. (Continuous printing, Printing density	INTERFACE SETT		
	Battery cover	100%, Printing ratio 30%)	For further informat BL2-58 Technical Guid		ieiei to the
Do not plug or upplug the AC adoptor and batterios with wet hand	Operational panel	▼Keep the battery pack removed from the battery			
Do not plug or unplug the AC adapter and batteries with wet hand. It may result in electric shock, burn and failure.		case when the printer is not used for long periods.	3.8 Maintenance		
It may result in electric shock, burn and failure.	(1)	✓ After full charging of the battery pack, the printer cuts off charging automatically and the printer does	Clean the thermal head	, the platen ro	blier and
Do not use the printer in place where it will be exposed to excess moisture and where is		not recharge again. Be sure the battery voltage is	Sensors periodically. The details show in the	Technical Gu	ide
		reduced after charging and discharging			
watered. It may result in electric shock, burn and failure.	(SELECT) (FEED)	continuously because of memory effect.	Before cleaning printer power a		
Remove the interface cable or AC adapter from the connector or the receptacle by holding		▼The battery pack is worn out after charging and	printer power a		
		discharging. The battery capacity is reduced to	adapter and rer from the case.	nove the batt	егу раск
	(3) (5)	80% of a new battery after 300 cycles of charging.	Never get liquid	l such as wat	er into the
adapter.	(4)	▼The battery works shorter time at low temperature	printer.	i Sucii as Wdl	
For following case, turn the printer power OFF, unplug the AC power cord from outlet, and	(1) POWER LED: Indicates the status of the power.	area.			
remove the bettry. Continueous use may occur the printer failure, fire and electric shock.	(2) ERROR LED : Indicates printer errors	♥When the working time becomes noticeably shorter than normal, replace the battery pack.			
	(3) SELECT button : Selects the printer mode.	The printer can not print while charging.	4. Specifications		
In case the problem is not cleared and fixed	(4) POWER button : Turns the power ON/OFF.		4.1 General specificati	ons	
Emitting smoke, making unusual noise and odd smell from the printer	(5) FEED button : Feeds the thermal paper while	Do not dispose the battery pack, and		ESC/POS、E	3L-58
	pressing this button.	bring it to the near recycling shop.	2	Direct line the	
The metallic object dropped or spilled liquid into the printer			Interface		
	·	3.3 How to set to upright wall	BL2-58S Serial (RS	,	
		Please ready two screws (M3x3mm), and set the		r : D-sub 9pir	n Male
		printer to upright wall not sideling in the vicinity and from side to side, keeping power connector side	BL2-58P Parallel (C		
		down, using the insert nut in back side.	Connecto	r : D-sub25pi	n ⊢-male

down, using the insert nut in back side.

BL2-58U USB ver.2.0 Connector : B type round 4-PIN Printing speed Max.80mm/sec (Dedicated AC adapter, Printing ratio 12.5% or less) Printing width/paper width 48mm/58mm Barcode UPC-A/E, JAN13/8, CODE39, ITF, CODABAR,CODE128 Option 2D barcode QR,MaxiCode,PDF417, MicroPDF417, DataMatrix Power source Battery pack: Li-ion battery (option) Part No. : UR-250、UR-121 Dedicated AC adapter Part No. : BLS-120W Input : AC100V~240V、50/60Hz Output : DC9.0V 3.0A AC power cord Part No. : ACS-120A (Japan) ACS-100G (Europe) ACS-100U (USA) Dimensions (W×D×H、No protruding parts) 93mm×125mm×70mm Weight approx.265g (without thermal paper and battery pack) Operating environment Temperature When battery is used -10° C to $+50^{\circ}$ C When AC adapter is used $0^{\circ}C$ to $+40^{\circ}C$ While recharging battery 0° C to $+35^{\circ}$ C Printing quality guarantee +5°C to +40°C Humidity 20%RH to 85%RH (No condensation) Storage environment Temperature -20° C to $+60^{\circ}$ C Humidity 10%RH to 90%RH (No condensation) Thermal paper Part No. : P-58-30 Paper width : 58mm Length : approx.30m Outer diameter. : 50mm EMC regulations VCCI CLASS B, FCC CLASS B, CE marking Input buffer 8k bytes

©The printer models are listed in Technical Guide. $(BL2-58\square\square\squareQC)$

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