



**USERS MANUAL ABSTRACT**

Written by : D. RAUD

October 28, 2003

**Test report # : 194002DK**



THERMAL PRINTING SOLUTIONS

**A630/A631 PRINTER SERIES**

**USER MANUAL**

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**AXIOHM**  
1, rue d'Arcueil, BP 820  
92542 MONTROUGE CEDEX, FRANCE  
Tel : (33) 1 58 07 17 17, Fax : (33) 1 58 07 17 18  
[www.axiohm.biz](http://www.axiohm.biz)



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## 2 TECHNICAL SPECIFICATIONS

### 2.1 Summary of technical specifications

ITEM		VALUE	UNITS
Printing method		Static thermal dot line printing	-
Paper loading		Clamshell™	-
Number of resistor dots		384	-
Resolution		8	dots/mm
Printing width		48	mm
Printing speed		55 (desktop version) max 45 (portable version) max	mm/s
Character Fonts		16 x 24 dots. (24 columns) or 9 x 24 (40 columns)	-
Paper width		58 ± 0.1	mm
Paper bucket diameter		50	mm
Data Buffer		4	K bytes
Head temperature detection		Thermistor	-
Paper empty detection		Opto-sensor	-
Printer voltage range		9 VDC or 110/240 with power supply	-
Power consumption		23	VA
Power supply		110/240 W	V
		50 - 60	Hz
Maximum duty cycle (in case of non-stop use)		1 sec. On, 6 sec. Off at 20° C 1 sec. On, 8 sec. Off at 50° C	°C
Storage temperature range		-20 to 50	°C
Operating temperature range		5 to 50	°C
Operating humidity		10 to 85	% RH (Non-Condensing)
Storage humidity		10 to 90	% RH (Non-Condensing)
Electrical life time		50	million head pulses per dot
Mechanical life time (abrasion)		50	Km
Over all dimensions:	Width	108	mm
	Depth	147	mm
	Height	72	mm
Weight ( Without paper roll )		330 or 600 (with battery)	g
Recommended paper		TF50KSE3	-
Maximum paper thickness		80	μ
Interface		RS232 Serial (A6300xxx, A631xxx) Centronics (A6301xxx) Bluetooth™	-
Certification:	EMI	CE; FCC; C-tick ; UL / cUL; Bluetooth™	-
	Safety	UL / cUL; IEC 60950	-



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### 2.3 Interface specifications

See chapter "Communications interface connectors".

### 2.4 Environmental specifications

#### 2.4.1 Environmental conditions

Operating temperature:	5 to 50 °C
Storage temperature:	-20 to 50 °C
Maximum humidity:	10 to 90 % RH (non-condensing)

**Vibration** Details upon request : consult AXIOHM's Technical Support Team.

**Drop test** The printer is packed.  
1 meter on concrete  
1 meter on wood

#### 2.4.2 EMI, ESD and Safety

##### Conditions of acceptability:

EMI is measured using AXIOHM power supply adapter ref. **3106262**. UL valid only if the proper power supply (AXIOHM part n° **3106175**) and the proper batteries (AXIOHM part n° **3106282**) are used.

**Note:** The available replacement kits are:

ref. **3106935** A630/A631 POWER SUPPLY KIT EU for the power supply  
ref. **3106880** BATTERY KIT A631 for the batteries.

**Safety recommendations:** The power supply should be installed so it can be accessed in order to enable power disconnection.

This printer is designed to meet the requirements of:

CE

FCC

C-tick for Australia

UL / cUL

Bluetooth™ (These products are in conformity with the 1999-5-CE directives.

A certificate of compliance is available upon request from Axiohm.)



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**2.4.2.1 CE FCC C-tick**

**Note for Class A products only:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the correction of the interference required will be at the user's expense. Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by AXIOHM may cause, harmful interference and void the FCC authorization to operate this equipment.

	Concerning products:
A630/A631 FCC, CE Class A	A630Yxxx
	A631Yxxx
Y = all versions except where the fifth digit is 2	
A630/A631 Bluetooth™ FCC Class B, CE Class B	A6302xxx
	A6312xxx

**FCC ID : RKA631BT**

**Information to the user, for Class B products only:**

The United States Federal Communications Commission (in 47 CFR 15.105) has specified that the following notice be brought to the attention of users of this product:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference's by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

The user may find the following booklet, prepared by the Federal Communications Commission, helpful: How to Identify and Resolve Radio/TV Interference Problems. This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

Use of a shielded cable is required to comply within Class B limits of Part 15 of FCC Rules.

Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by AXIOHM may cause, harmful interference and void the FCC authorization to operate this equipment.