BIXOLON

Display Installation Guide & Safety Guide

KN10-00006A (Rev.1.2) **CUSTOMER DISPLAY BCD-2000**

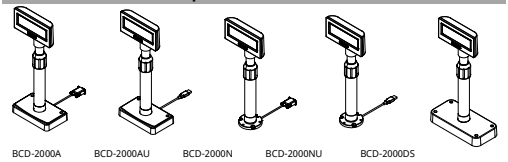
◈ Information

This Installation Guide includes a brief outline of information necessary for product installation. For more detailed installation information, please refer to the user manual in the enclosed CD. The contents of the CD include the following.

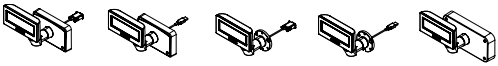
1. Manual: User Manual, Command Manual, Code Page, Software Manuals
2. Drivers: Windows Drivers, OPOS Drivers, VCOM(USB) Drivers
3. SDK: mPOS SDK (Android, Windows, iOS)
4. Utility: Customer Display Utility

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice. Please refer to the BIXOLON website for the addresses and phone numbers of the company's headquarters and branch offices.(http://www.bixolon.com)

◈ Product Models & Components



BCD-2000A BCD-2000AU BCD-2000N BCD-2000NU BCD-2000DS



BCD-2000WA BCD-2000WAU BCD-2000WN BCD-2000WNU BCD-2000WS

Common Components of All Products



CD



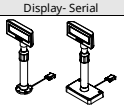
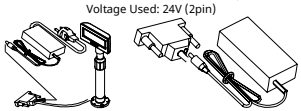
Installation Guide



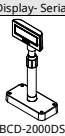
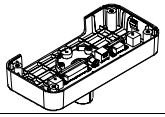
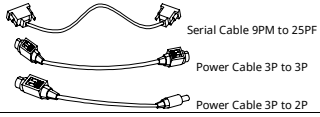
Screws
M3*10,Tapping 4 ea

◈ Initial Settings & Options (Serial)

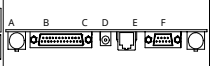
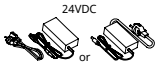
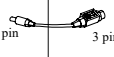
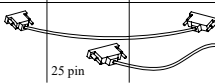
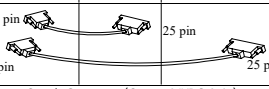
1. Direct Connection: Connected to the Display directly without passing through the board.

Item	Display- Serial
Standard Model	 BCD-2000N BCD-2000A
How to Connect a Power Cable to the Serial Cable	Connect an SMPS to the Serial Cable Jack Voltage Used: 24V (2pin)  BCD-2000N+SMPS

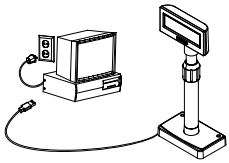
2. Pass Through: Data transmits through Host(PC) → Display → Printer.

Item	Display- Serial
Standard Model	 BCD-2000DS
Standard Board Specifications	
Power (Optional)	 24V, 2.5A 24V, 1.5A
Cable Types (Optional)	 Serial Cable 9PM to 25PF Power Cable 3P to 3P Power Cable 3P to 2P

◈ Connection Types (BCD-2000A/N/DS/WA/WN/WDS)

Standard Components	 (Host PC Side) ▼	 (Printer Side) ▼	 (Display Side) ▼
Interface			 A B C D E F
Power Connection 1 (Separate power supply needed for Rinter/Display)	-		 24VDC or
Power Connection 2 (SMPS→Display →Printer)	-	 3 pin 3 pin	 24VDC
Power Connection 3 (SMPS→Display →Printer)	-	 2 pin 3 pin	 24VDC
Serial Cable Connection 1 (Host→Display →Printer)	9 pin	 25 pin 25 pin	9 pin
Serial Cable Connection 2 (Host→Printer) (Host→Display)	9 pin 9 pin	 25 pin 25 pin	
Misc.	A: Power Supply Connector (Output 24VDC, 3pin) B: Host Interface Connector (D-SUB 25pin, Female) C: Power Supply Connector (Input 24VDC, 2pin) D: Display Connector E: Printer Interface Connector (D-SUB 9pin, Male) F: Power Supply Connector (Input 24VDC, 3pin)		

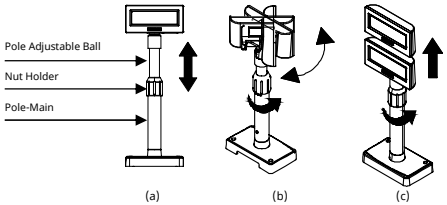
◈ How to Connect (BCD-2000AU/NU/WAU/WNU)



1. Install the USB Virtual COM driver.
2. Connect the display cable to a computer via a USB port.
3. Turn on the PC and display. The PC will automatically detect new hardware connected to the USB port.
4. Once the driver is installed, the display is ready to receive data.

◈ Swivel

This device can be swiveled freely. Please follow the instructions below to avoid damage or malfunction when installing the device. To change the direction of the display after installation, follow the instructions provided below.



(a) Lower the body to the direction of the arrow. Spin the Nut Holder so the body goes down.(Refer to the OPEN/CLOSE indications on the product.)

(b) Swivel the body to the angle you want.

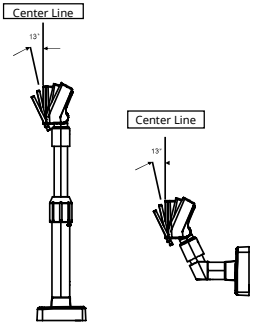
※ **Caution**
Do not turn the body more than once in the same direction.
(The body can be turned indefinitely.)

(c) After adjusting the angle, tighten the Nut Holder. (Keep the body from swiveling when moving it up and down.) Adjust the height of the body and tighten the Nut Holder.

※ **Caution**
Do not over-tighten the Nut Holder as it can cause damage.
Please tighten so that the body does not move.

◈ Tilting

The device can be tilted to the degree you want.
Please follow the instructions below to avoid damage or malfunction when installing the device. It can be tilted up to 13° to each side with 4 levels and 5 positions. (Tilt: max. 52°)



※ **Caution**
Do not tilt over the limit as it can cause damage.

◈ Setting the DIP Switches

RS-232 serial input and command emulation mode settings

※ **Caution**
Turn off the DIP switch before changing the settings. New DIP switch settings apply when powered on.

No.	Function	Switch OFF	Switch ON
1	Data Length	8 bits	7 bits
2	Parity check	No	Yes
3	Selection of parity	Odd	Even

4–6 Data Rate

4	5	6	Baud-rate	4	5	6	Baud-rate
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	1	4,800 bps	1	0	1	57,600 bps
0	1	0	2,400 bps	1	1	0	38,400 bps
0	1	1	1,200 bps	1	1	1	19,200 bps

("0" : S/W OFF, "1" : S/W ON)

7–8 Command Emulation

7	8	Command Emulation	7	8	Command Emulation
0	0	ESC/POS	0	1	PD6000
1	0	CD5220	1	1	UTC Standard / UTC Enhance

("0" : S/W OFF, "1" : S/W ON)

◈ WEEE (Waste Electrical and Electric Equipment)

This marking shown on the product or its literature, indicates that is should not be disposed with other household wastes at the end of its working life, To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

◈ Safety Precautions

In using the present appliance, please keep the following safety regulations in order to prevent any hazard or material damage.

WARNING

Violating following instructions can cause serious injury or death.

Do not plug several products in one multi-outlet.
- This can provoke over-heating and a fire.
- If the plug is wet or dirty, dry or wipe it before usage.
- If the plug does not fit perfectly with the outlet, do not plug in.
- Be sure to use only standardized multi-outlets.

PROHIBITED



You must use only the supplied adapter.
- It is dangerous to use other adapters.

PROHIBITED



Do not pull the cable to unplug.
- This can damage the cable, which is the origin of a fire or a breakdown of the printer.

PROHIBITED



Keep the plastic bag out of children's reach.
- If not, a child may put the bag on his head.

PROHIBITED



Do not plug in or unplug with your hands wet.
- You can be electrocuted.

PROHIBITED



Do not bend the cable by force or leave it under any heavy object.
- A damaged cable can cause a fire.

PROHIBITED



CAUTION

Violating following instructions can cause slight wound or damage the appliance.

If you observe a strange smoke, odor or noise from the printer, unplug it before taking following measures.
- Switch off the printer and unplug the set from the mains.
- After the disappearance of the smoke, call your dealer to repair it.

TO UNPLUG



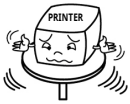
Keep the desiccant out of children's reach.
- If not, they may eat it.

PROHIBITED



Install the printer on the stable surface.
- If the printer falls down, it can be broken and you can hurt yourself.

PROHIBITED



Use only approved accessories and do not try to disassemble, repair or remodel it for yourself.
- Call your dealer when you need these services.
- Do not touch the blade of auto cutter.

DISASSEMBLING PROHIBITED



Do not let water or other foreign objects in the printer.
- If this happened, switch off and unplug the printer before calling your dealer.

PROHIBITED



Do not use the printer when it is out of order. This can cause a fire or an electrocution.
- Switch off and unplug the printer before calling your dealer.

TO UNPLUG



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디스플레이 설치 안내서 & 안전 가이드

CUSTOMER DISPLAY BCD-2000

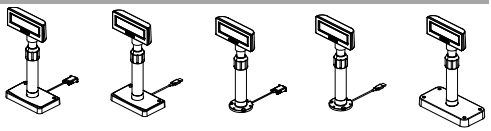
◆ 안내

본 설치 안내서는 제품 설치에 필요한 간단한 정보만 기록하고 있습니다. 자세한 설치 안내는 첨부된 CD 의 사용 설명서를 참고하십시오. CD 에 포함되어있는 내용은 아래와 같습니다.

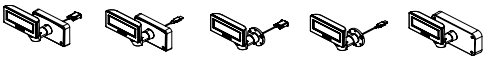
1. 매뉴얼: 사용자 매뉴얼, 커맨드 매뉴얼, 코드페이지, 소프트웨어 매뉴얼
2. 드라이버(Driver): Windows 드라이버, OPOS 드라이버, VCOM(USB) 드라이버
3. 소프트웨어 개발도구(SDK): mPOS SDK(Android, Windows, iOS)
4. 유틸리티(Utility): Customer Display 유틸리티

저희 (주)빅솔론은 제품의 기능과 품질 향상을 위하여 지속적인 개선을 하고 있습니다. 이로 인하여 제품의 사양과 매뉴얼의 내용은 사전 통보 없이 변경될 수 있습니다. (주)빅솔론의 본사 및 지사 주소와 전화번호는 빅솔론 홈페이지를 참고하시기 바랍니다.(http://www.bixolon.com)

◆ 제품 유형 및 내용물 확인



BCD-2000A BCD-2000AU BCD-2000N BCD-2000NU BCD-2000DS



BCD-2000WA BCD-2000WAU BCD-2000WN BCD-2000WNU BCD-2000WS

각 제품별 공통 삽입 자재



CD



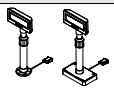
설치 안내서



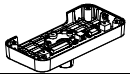
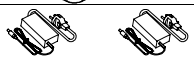
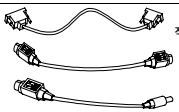
나사
M3*10, Tapping 4 개

◆ 유형별 초기 설정 및 옵션(Serial)

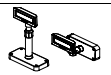
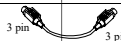
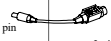
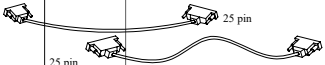
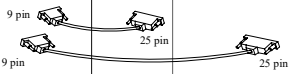
1. 직접유형: 보드를 통하지 않고 Display 와 직접 연결하는 방식

항목	Display-Serial
기본 모델	 BCD-2000N BCD-2000A
직렬 케이블에 전원연결 방법	직렬 케이블 잭에 별도의 SMPS 로 연결 사용 전압: 24VDC(2pin)  BCD-2000N+SMPS

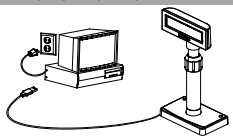
2. 패스스루(Pass through)유형: Host(PC) → Display → 프린터로 데이터 구성

항목	Display-Serial
기본 모델	 BCD-2000DS
기본 보드 사양	
전원 (옵션)	 24V, 2.5A 24V, 1.5A
케이블 종류 (옵션)	 직렬 케이블 9PM/25PF 전원 케이블 3P/3P 전원 케이블 3P/2P

◆ 연결 방식(BCD-2000A/N/DS/WA/WN/WDS)

기본 구성	 (Host PC Side) ▼	 (Printer Side) ▼	 (Display Side) ▼
인터페이스			A B C D E F 
전원연결방식 1 (Printer/Display 별도전원공급)	-		24VDC  또는
전원연결방식 2 (SMPS→Display →Printer)	-	 3 pin 3 pin	24VDC 
전원연결방식 3 (SMPS→Display →Printer)	-	 2 pin 3 pin	24VDC 
직렬케이블 연결방식 1 (Host→Display →Printer)	9 pin	 25 pin 25 pin 9 pin	
직렬케이블 연결방식 2 (Host→Printer) (Host→Display)	9 pin 9 pin	 25 pin 25 pin	
기타	A: 전원 공급 커넥터 (출력 24VDC, 3pin) B: 호스트 인터페이스 커넥터 (D-SUB 25pin, Female) C: 전원 공급 커넥터 (입력 24VDC, 2pin) D: 디스플레이 커넥터 E: 프린터 인터페이스 커넥터 (D-SUB 9pin, Male) F: 전원 공급 커넥터 (입력 24VDC, 3pin)		

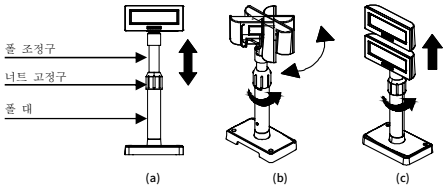
◆ 연결 방법(BCD-2000AU/NU/WAU/WNU)



1. USB Virtual COM 드라이버를 설치합니다.
2. 디스플레이 케이블을 컴퓨터의 USB 포트에 연결합니다.
3. 컴퓨터와 디스플레이 전원을 켜면, PC 는 USB 포트에 연결된 새로운 하드웨어를 감지합니다.
4. 드라이버가 설치되면 데이터를 받을 준비가 됩니다.

◆ 회전 기능

본 제품은 소비자가 원하는 각으로 회전이 가능한 제품입니다. 제품 설치 시 아래의 내용을 준수하여 제품의 손상 및 사용상의 이상이 없도록 주의하기 바랍니다. 제품을 조립한 후 디스플레이의 방향을 결정하여 고정하려는 경우, 그림의 순서와 같이 조작합니다.



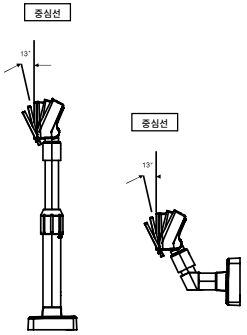
(a) 디스플레이 본체를 화살표 방향으로 아래로 내립니다.
너트 고정구를 회전시켜 디스플레이 본체가 아래로 내려오도록 합니다.
(제품 OPEN/CLOSE 각인표시 참조)

(b) 디스플레이 본체를 원하는 각으로 회전시킵니다.
※ 주의
디스플레이 본체를 1 바퀴이상 같은 방향으로 회전하지 마십시오.
(디스플레이 본체는 무한 회전하니 주의하시기 바랍니다.)

(c) 디스플레이의 각을 원하는 위치에 조정한 후 너트 고정구를 적당하게 조입니다. (디스플레이 본체의 상측 이동 시 좌, 우 움직임 방지)
디스플레이 본체를 상측으로 원하는 높이로 조정한 후에 너트 고정구를 조입니다.
※ 주의
너트 고정구를 너무 강하게 조일 경우 손상 등의 문제가 발생할 수 있으므로 디스플레이 본체가 움직이지 않는 범위까지 조여주십시오.

◆ 기울어짐 기능

본 제품은 소비자가 원하는 각으로의 기울임이 가능한 제품입니다. 제품 설치 시 아래의 내용을 준수하여 제품의 파손 및 사용상의 이상이 없도록 주의하여 주시길 바랍니다. 기울임 각도는 중심선을 기준으로 좌/우 각 13°씩 회전 운동이 가능하며 4 단계, 5 위치의 이동각을 가집니다. (기울임: 최대 52°)



※ 주의
과도하게 최대 각도 이상으로 조절 시 제품 파손의 원인이 됩니다.

◆ DIP 스위치 설정

RS-232 직렬 입력 설정 및 명령 에뮬레이션 모드 설정

※ 주의
딥(DIP) 스위치는 반드시 전원을 끄고 변경하세요. 딥(DIP) 스위치 변경 후 전원을 켜면 변경된 설정이 적용됩니다.

No.	기능	스위치 OFF	스위치 ON
1	데이터 길이	8 bits	7 bits
2	패리티 체크	비사용	사용
3	패리티 선택	Odd	Even
4~6	전송속도	4 5 6 전송 속도 / 0 0 0 9,600 bps / 0 0 1 4,800 bps / 0 1 0 2,400 bps / 0 1 1 1,200 bps / 1 0 0 115,200 bps / 1 0 1 57,600 bps / 1 1 0 38,400 bps / 1 1 1 19,200 bps ("0" : S/W OFF, "1" : S/W ON)	
7~8	명령 에뮬레이션	7 8 명령 에뮬레이션 / 0 0 ESC/POS / 1 0 CD5220 / 0 1 PD6000 / 1 1 UTC Standard / UTC Enhance ("0" : S/W OFF, "1" : S/W ON)	

◆ 안전상의 경고

제품을 올바르게 사용하여 위험이나 물적 손해를 미리 방지하기 위한 내용이므로 반드시 지켜 사용해 주세요.

경고

표시사항 위반시 심각한 상해나 사망이 발생할 가능성이 있습니다.

한 콘센트에 여러 제품의 전원플러그를 동시에 꽂지 마세요.
- 발열 및 발화되어 위험합니다.
- 전원플러그그에서 이물질이나 먼지가 묻어있으면 잘 닦아 사용하세요.
- 전원콘센트의 구멍이 헐거울 때는 전원 플러그를 꽂지 마세요.
- 멀티콘센트는 규격제품을 사용하세요.



어댑터는 공급된 제품만을 사용하세요.
- 다른 어댑터를 사용하면 위험합니다.



전원플러그를 뺄때는 전원코드를 잡아 당기지 마세요.
- 코드가 상처를 입어 화재나 고장의 원인이 됩니다.



비닐백은 어린이의 손에 닿지 않는 곳에 잘 보관하세요.
- 어린이가 비닐백을 머리에 쓰면 위험합니다.



젖은 손으로 전원플러그를 꽂거나 뽑지 마세요.
- 감전의 위험이 있습니다.



전원코드를 무리하게 구부리거나 무거운 물건을 놀러 파손되지 않도록 하세요.
- 화재의 원인이 됩니다.



주의

표시사항 위반시 경미한 상해나 제품손상이 발생할 가능성이 있습니다.

제품에서 연기가 나거나 이상한 냄새 또는 소리가 나는 등의 이상 발생시는 바로 전원을 끈 후 아래의 조치를 취해 주세요.
- 제품에 이상이 발생시는 바로 프린터 본체의 전원을 끈 다음 반드시 전원 플러그를 콘센트에서 뽑아주세요.
- 연기가 나지 않는 것을 확인하고 구입처로 수리를 의뢰해 주세요.



방습제는 어린이의 손에 닿지 않는 곳에 잘 보관하세요.
- 어린이가 방습제를 먹으면 위험합니다.



안정된 장소에 설치하세요.
- 넘어지면 제품이 파손되거나 다칠 수 있습니다.



승인된 부품을 사용하고 함부로 분해, 수리, 개조하지 마세요.
- 제품이 손상될 수 있으므로 구입처에 문의하세요.
- 자동 절단기 날카로우므로 손대지 마십시오.



프린터의 본체 내부에 물이나 이물질이 들어가지 않도록 주의하세요.
- 본체 내부에 물이나 이물질이 들어간 경우에는 먼저 프린터 본체의 전원스위치를 끄고 전원플러그를 콘센트에서 뺀 다음 구입처로 연락해 주세요.



제품을 고장난 상태에서 사용하지 마세요. 화재, 감전의 원인이 됩니다.
- 바로 본체의 전원스위치를 끄고 전원플러그를 콘센트에서 뺀 다음 구입처로 연락해 주세요.



BIXOLON

Guide d'installation et guide de sécurité de l'écran

ÉCRAN CLIENT BCD-2000

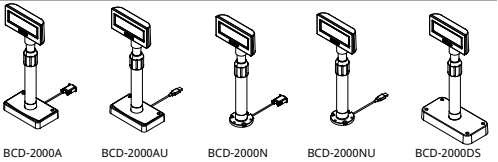
◆ Informations

Ce guide d'installation comprend un bref aperçu des informations nécessaires à l'installation du produit. Pour des informations plus détaillées sur l'installation, veuillez vous reporter au manuel d'utilisation contenu sur le CD joint. Le CD contient les informations suivantes.

1. Manuel : Manuel de l'utilisateur, Manuel des commandes, Page des codes, Manuel de logiciels
2. Pilotes : Windows, OPOS, VCOM(USB)
3. SDK : mPOS SDK (Android, Windows, iOS)
4. Utilitaire : Customer Display Utility

Chez BIXOLON, nous nous efforçons à améliorer en continu les fonctions et la qualité de nos produits. Par conséquent, les caractéristiques du produit et/ou les informations du manuel de l'utilisateur peuvent être modifié(e)s sans avis préalable.
Pour connaître les coordonnées du siège social et des bureaux de l'entreprise, reportez-vous au site Web BIXOLON.(http://www.bixolon.com)

◆ Modèles et composants



BCD-2000A BCD-2000AU BCD-2000N BCD-2000NU BCD-2000DS



BCD-2000WA BCD-2000WAU BCD-2000WN BCD-2000WNU BCD-2000WS

Composants communs à tous les produits



CD



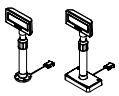
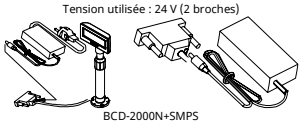
Guide d'installation



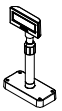
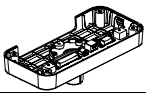
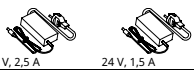
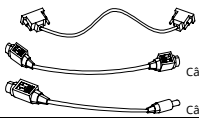
Vis
M3*10, taraudées, 4 unités

◆ Paramétrages initiaux et options (Série)

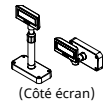
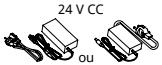
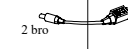
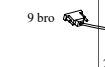
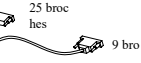
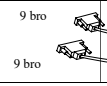
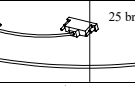
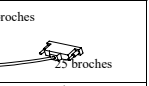
1. Branchement direct : Branchement direct à l'écran sans passer par le socle

Élément	Écran - Série
Modèle Standard	 BCD-2000N BCD-2000A
Comment brancher un câble d'alimentation à un câble série	Branchez un SMPS à la prise jack du câble série Tension utilisée : 24 V (2 broches)  BCD-2000N+SMPS

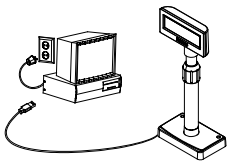
2. Chemin : Données transmises par l'hôte PC → Écran → Imprimante.

Élément	Écran - Série
Modèle Standard	 BCD-2000DS
Caractéristiques du socle standard	
Alimentation (En option)	 24 V, 2,5 A 24 V, 1,5 A
Types de câble (En option)	 Câble série 9PM à 25PF Câble d'alimentation 3P à 3P Câble d'alimentation 3P à 2P

◆ Types de branchement (BCD-2000A/N/DS/WA/WN/WDS)

Composants standard	 (Côté PC hôte) ▼	 (Côté imprimante) ▼	 (Côté écran) ▼
Interface			
Raccordement de l'alimentation 1 (Séparez l'alimentation de l'imprimante et celle de l'écran)	-		
Raccordement de l'alimentation 2 (SMPS→Écran →Imprimante	-		
Raccordement de l'alimentation 3 (SMPS→Écran →Imprimante	-		
Connexion du câble Série 1 (Hôte→Écran →Imprimante			
Connexion du câble Série 2 (Hôte→Imprimante) (Hôte→Écran)			
Divers	A : Connecteur d'alimentation (Sortie 24 VCC, 3 broches) B : Connecteur d'interface de l'hôte (D-SUB 25 broches, femelle) C : Connecteur d'alimentation (Entrée 24 VCC, 2 broches) D : Connecteur d'affichage E : Connecteur d'interface de l'imprimante (D-SUB 9 broches, mâle) F : Connecteur d'alimentation (Entrée 24 VCC, 3 broches)		

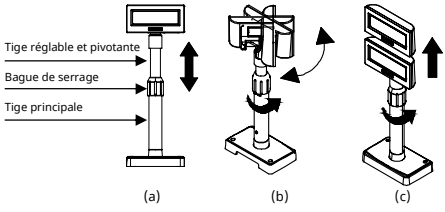
◆ Instructions de branchement (BCD-2000AU/NU/WAU/WNU)



1. Installez le pilote USB Virtual COM
2. Branchez le câble de l'écran à l'ordinateur via un port USB.
3. Allumez le PC et l'écran. Le PC détectera automatique le nouvel appareil à brancher au port USB.
4. Une fois le pilote installé, l'écran est prêt à recevoir des données.

◆ Pivotement

Cet appareil peut être pivoté librement. Veuillez suivre les instructions ci-dessous pour éviter tout dommage ou dysfonctionnement lors de l'installation de l'appareil. Pour changer la direction de l'écran après l'installation, suivez les instructions fournies ci-dessous.



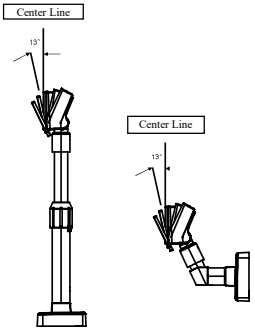
(a) Abaissez la tige en respectant le sens de la flèche. Tournez la bague pour que la tige puisse descendre (reportez-vous aux indications OUVERT/FERMÉ du produit).

(b) Faites pivoter la tige à l'angle que vous souhaitez.
✱ Attention
Ne tournez pas la tige plus d'une fois dans le même sens.
(La tige peut être tournée indéfiniment.)

(c) Après avoir ajusté l'angle, tournez la bague de serrage. (Empêchez que la tige ne pivote lorsque vous la montez ou l'abaissez.) Ajustez la hauteur de la tige et tournez la bague de serrage.
✱ Attention
Ne serrez pas trop la bague de serrage, vous risqueriez de l'endommager
Serrez-la de sorte que la tige ne puisse pas bouger.

◆ Inclinaison

L'appareil peut s'incliner à l'angle que vous souhaitez.
Veuillez suivre les instructions ci-dessous pour éviter tout dommage ou dysfonctionnement lors de l'installation de l'appareil. Il peut être incliné jusqu'à 13° de chaque côté, avec 4 niveaux et 5 positions différents. (inclinaison : 52° max)



✱ Attention
N'inclinez pas l'appareil au-delà des limites autorisées, vous risqueriez de l'endommager.

◆ Paramétrage des commutateurs DIP

Paramétrage de l'entrée série RS-232 et du mode d'émulation de commande
✱ Attention
Éteignez le commutateur DIP avant de modifier les paramètres. Les nouveaux paramètres du commutateur DIP s'appliquent au redémarrage de ce dernier.

NO.	Fonction	Commutateur éteint	Commutateur allumé
1	Longueur des données	8 bits	7 bits
2	Vérification de la parité	Non	Oui
3	Sélection de la parité	Impaire	Paire

4–6 Vitesse des données

4	5	6	Vitesse de transmission	4	5	6	Vitesse de transmission
0	0	0	9 600 bps	1	0	0	115 200 bps
0	0	1	4 800 bps	1	0	1	57 600 bps
0	1	0	2 400 bps	1	1	0	38 400 bps
0	1	1	1 200 bps	1	1	1	19 200 bps

(« 0 : S/W éteint, « 1 » : S/W allumé)

7–8 Émulation de commande

7	8	Émulation de commande	7	8	Émulation de commande
0	0	ESC/POS	0	1	PD6000
1	0	CD5220	1	1	UTC Standard / UTC d'entrée

(« 0 : S/W éteint, « 1 » : S/W allumé)

◆ Déchets électriques et de matériel électrique

Ce logo présent sur le produit ou sur sa documentation indique que le produit ne doit pas être jeté avec les autres ordures ménagères lorsqu'il ne fonctionne plus. Afin de protéger l'environnement ainsi que la santé humaine des déchets non réglementés, veuillez séparer ce produit des autres déchets et le recycler correctement afin de promouvoir une réutilisation durable des ressources matérielles. Les utilisateurs privés doivent contacter le détaillant auprès duquel ils sont acheté ce produit ou leurs autorités locales afin d'obtenir de plus amples informations sur l'endroit et la manière de recycler ces articles tout en préservant l'environnement. Les professionnels doivent contacter leur fournisseur et vérifier les termes et conditions du bordereau d'achat. Ce produit ne doit pas être mélangé avec d'autres déchets commerciaux.

◆ Précautions d'Emploi

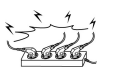
Lors de l'utilisation du présent produit, respectez les mesures de sécurité ci-dessous afin d'éviter tout danger ou détérioration du matériel.

AVERTISSEMENT

Le non-respect des instructions suivantes peut entraîner une blessure grave ou la mort.

Ne branchez pas plusieurs produits différents dans la même prise.
- Cela peut provoquer un échauffement et une incendie.
- Si la prise est mouillée ou sale, séchez et nettoyez la avant l'usage.
- Si l'appareil ne s'adapte pas parfaitement à la prise, ne branchez pas l'appareil.
- En cas d'utilisation d'une multi-prise, celle-ci doit être standard.

INTERDIT



Vous devez utilisez uniquement l'adaptateur fourni avec l'imprimante.
- L'utilisation d'adaptateurs d'autres marques peut être dangereux.

INTERDIT



Ne tirez pas sur le câble pour débrancher la prise.
- Cela risque d'endommager le câble et peut être à l'origine d'un incendie ou d'un défaut.

INTERDIT



Gardez le sac plastique dans un endroit inaccessible aux enfants.
- L'enfant risque de mettre ce sac plastique sur sa tête.

INTERDIT



Ne branchez ou débranchez pas avec les mains mouillées.
- Vous risquez l'électrocution.

INTERDIT



Ne forcez pas la corde à se courber et ne la faites pas passer sous un objet lourd.
- Une corde abîmée peut provoquer un incendie.

INTERDIT



ATTENTION

Le non-respect des instructions suivantes peut causer une blessure légère ou une détérioration de l'appareil.

Si l'imprimante produit de la fumée, une odeur, ou un bruit étrange, débranchez la avant de prendre les mesures ci-dessous.
- Eteignez et débranchez l'imprimante.
- Après la disparition de la fumée, appelez votre revendeur pour la réparation.

NE PAS BRANCHER



Gardez l'absorbeur d'humidité dans un endroit inaccessible aux enfants.
- Il est dangereux si l'enfant le mange.

INTERDIT



Installer votre imprimante sur une surface stable.
- Si votre imprimante tombe, elle peut tomber en panne et vous risquez de vous blesser.

INTERDIT



Employez uniquement des accessoires approuvés et ne démontez, réparez ou remodelez
- Appelez votre revendeur si vous avez besoin de ces services.
- Ne pas toucher la lame du massicot.



Evitez que l'eau ou des objets étrangers entrent dans l'imprimante.
- Si cela se produit, éteignez et débranchez l'imprimante avant d'appeler votre revendeur.

INTERDIT



N'utilisez pas votre imprimante quand elle est en panne. Cela risque de causer un incendie ou une électrocution.
- Eteignez et débranchez l'imprimante avant d'appeler votre revendeur.

NE PAS BRANCHER



BIXOLON

Drucker-Installationsanleitung und Sicherheitsleitfaden anzeigen

KUNDENDISPLAY BCD-2000

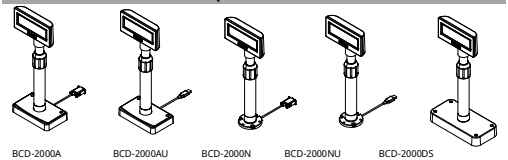
◈ Informationen

Dieser Installationsleitfaden enthält nur einen kurzen Umriss von für die Produktinstallation notwendigen Informationen. Für detailliertere Installationsinformationen verweisen wir Sie auf das Benutzerhandbuch auf der beigefügten CD.
Die Inhalte der CD enthalten das folgende.

1. Handbuch: Benutzerhandbuch, Befehle-Handbuch, Codeseiten, Software- Handbücher
2. Treiber: Windows Treiber, OPOS Treiber, VCOM/USB) Treiber
3. SDK: mPOS SDK (Android, Windows, iOS)
4. Utility: Kundendisplay-Utility

Wir bei BIXOLON sind ständig darum bemüht, die Funktionen und die Qualität aller unserer Produkte zu verbessern und zu erweitern. Die Produktspezifikationen und/oder der Inhalt des Benutzerhandbuchs kann ohne vorherige Benachrichtigung geändert werden.
Auf der Website von BIXOLON finden Sie die Adressen und Telefonnummern des Hauptsitzes und der Niederlassungen des Unternehmens.(http://www.bixolon.com)

◈ Produktemodelle und Komponenten



Gemeinesame Komponenten aller Produkte

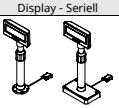
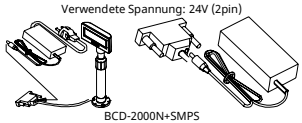

CD


Installationsanleitung

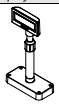
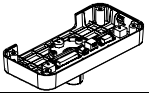
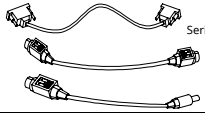

Schrauben M3*10,Selbstschneidend 4 ea

◈ Anfängliche Einstellungen und Optionen (Seriell)

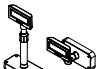
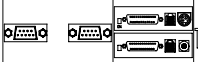
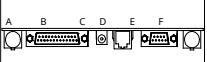
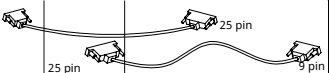
1. Direkte Verbindung: Direkt mit dem Display verbinden, ohne durch das Board zu stoßen.

Element	Display - Seriell
Standardmodell	 BCD-2000N BCD-2000A
Wie ein Netzkabel mit dem seriellen Kabel verbunden wird	Verbinden Sie ein SMPS mit der seriellen Kabelbuchse Verwendete Spannung: 24V (2pin)  BCD-2000N+SMPS

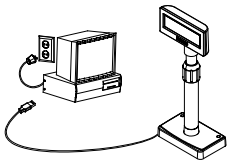
2. Durchlauf: Datenübertragung durch Host(PC) → Display → Drucker.

Element	Display - Seriell
Standardmodell	 BCD-2000DS
Standardboard-Spezifikationen	
Strom an (Optional)	 24V, 2.5A 24V, 1.5A
Kabeltypen (Optional)	 Serielles Kabel 9PM zu 25PF Stromkabel 3P zu 3P Stromkabel 3P zu 2P

◈ Verbindungstypen (BCD-2000A/N/DS/WA/WN/WDS)

Standardkomponenten	 (Host PC-Seite) ▼	 (Drucker-Seite) ▼	 (Display-Seite) ▼
Schnittstelle			 A B C D E F
Netzverbindung 1 Trennen Sie die Stromversorgung, die für das Display/den Drucker benötigt wird.	-		 24VDC oder
Netzverbindung 2 (SMPS→Display →Drucker)	-	 3 pin	 3 pin 24VDC
Netzverbindung 3 (SMPS→Display →Drucker)	-	 2 pin	 3 pin 24VDC
Serielle Kabelverbindung 1 (Host→Display →Drucker)	 9 pin	 25 pin 25 pin 9 pin	
Serielle Kabelverbindung 2 (Host→Drucker) (Host→Display)	 9 pin 9 pin	 25 pin 25 pin	
Verschiedenes	A: Stromversorgungsanschluss (Ausgang 24VCD, 3pin) B: Host-Schnittstelle-Anschluss (D-SUB 25pin, Weiblich) C: Stromversorgungsanschluss (Eingang 24VCD, 2pin) D: Display-Anschluss E: Drucker-Schnittstelle-Anschluss (D-SUB 9pin, Männlich) F: Stromversorgungsanschluss (Eingang 24VCD, 3pin)		

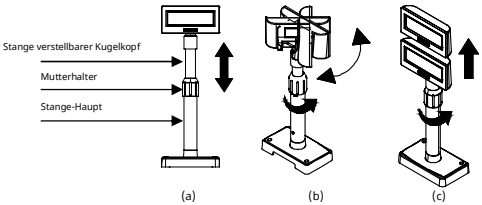
◈ Wie verbunden wird (BCD-2000AU/NU/WAU/WNU)



1. Installieren Sie den USB Virtual COM Treiber.
2. Verbinden Sie das Display-Kabel über den USB-Port mit einem Computer.
3. Schalten Sie den PC und das Display an. Der PC wird die mit dem USB-Port verbundene neue Hardware
   automatisch erkennen.
4. Sobald der Treiber installiert ist, ist das Display bereit, um Daten zu empfangen.

◈ Schwenken

Dieses Gerät ist frei schwenkbar. Bitte befolgen Sie die unten angegebenen Anweisungen, um Schäden oder
Fehlfunktionen zu vermeiden, wenn Sie das Gerät installieren. Um nach der Installation die Ausrichtung des Displays zu ändern,
befolgen Sie bitte die unten bereit gestellten Anweisungen.



Senken Sie den Körper in Richtung des Pfeils. Drehen Sie den Mutterhalter, sodass der Körper sich nach unten bewegt. (Sehen Sie sich die ÖFFNEN/SCHLIEßEN
(a) Anweisungen des Produkts an.)

(b) Senken Sie den Körper in die Richtung, die Ihnen zusagt.

※ **Achtung**

Drehen Sie den Körper nicht mehr als einmal in die gleiche Richtung.
(Der Körper kann unbegrenzt gedreht werden.)

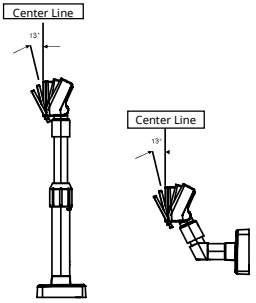
(c) Ziehen Sie den Mutterhalter nach der Ausrichtung des Winkels fest. (Verhindern Sie das Schwenken des Körpers, wenn er auf- und abbewegt wird.) Passen Sie die Höhe des Körpers an und ziehen Sie den Mutterhalter fest.

※ **Achtung**

Ziehen Sie den Mutterhalter nicht zu fest, da es sonst zu Schäden kommen kann. Bitte ziehen Sie es nur so fest, dass sich der Körper nicht bewegt.

◈ Neigen

Das Gerät kann bis zu dem Grad, der Ihnen zusagt geneigt werden.
Bitte befolgen Sie die unten angegebenen Anweisungen, um Schäden oder Fehlfunktionen zu vermeiden, wenn Sie das Gerät
installieren. Es kann zu jeder Seite bis zu 13° mit 4 Stufen und Positionen geneigt werden. (Neigung: max. 52°)



※ **Achtung**

Neigen Sie nicht über die Begrenzung hinaus, da es sonst zu Schäden kommen kann.

◈ Einstellung der DIP-Schalter

RS-232 serieller Eingang und Befehl-Emulation-Modus Einstellungen.

※ **Achtung**

Schalten Sie den DIP-Schalter aus, bevor Sie die Einstellungen ändern. Die neuen DIP-Schalter-Einstellungen werden angewendet, wenn es angeschaltet wird.

Nr.	Funktion	Schalter AUS	Schalter AN
1	Datenlänge	8 bits	7 bits
2	Paritätsprüfung	Nein	Ja
3	Auswahl der Parität	Ungerade	Gerade

4~6 Datenrate

4	5	6	Baud-Rate	4	5	6	Baud-Rate
0	0	0	9.600 bps	1	0	0	115.200 bps
0	0	1	4.800 bps	1	0	1	57.600 bps
0	1	0	2.400 bps	1	1	0	38.400 bps
0	1	1	1.200 bps	1	1	1	19.200 bps

(„0" : S/W AUS, „1" : S/W AN)

7~8 Befehl-Emulation

7	8	Befehl-Emulation	7	8	Befehl-Emulation
0	0	ESC/POS	0	1	PD6000
1	0	CD5220	1	1	UTC Standard / UTC Erweitert

(„0" : S/W AUS, „1" : S/W AN)

◈ WEEE (Waste Electrical and Electric Equipment)

Diese Kennzeichnung auf dem Gerät oder in der Produktdokumentation zeigt an, dass das Gerät am Ende der Nutzungsdauer nicht über den Hausmüll entsorgt werden sollte. Bitte trennen Sie zur Vermeidung möglicher Umwelt- oder Gesundheitsschäden durch unkontrollierte Abfallentsorgung dieses Gerät von anderen Abfällen und recyceln Sie es, um den nachhaltigen Gebrauch der Materialressourcen zu unterstützen. Wenn Sie das Gerät in Ihrem Haushalt benutzen, wenden Sie sich bitte an Ihren Fachhändler, bei dem Sie das Gerät gekauft haben, oder an die Stadtverwaltung. Dort können Sie Einzelheiten dazu erfragen, wie und wo Sie dieses Gerät abgeben können, damit es umweltsicher recycelt wird. Wenn Sie das Gerät in der Firma benutzen, sollten Sie sich an Ihren Zulieferer wenden und die entsprechenden Bedingungen über die Rücknahme oder Entsorgung im Kaufvertrag nachlesen. Dieses Gerät sollte nicht zusammen mit anderen gewerblichen Abfällen entsorgt werden.

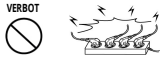
◈ Sicherheitshinweise

Befolgen Sie die folgenden Sicherheitshinweise bei der Verwendung des Gerätes,um Gefahren und Materialschäden vorzubeugen.

WARNUNG

Durch Nichtbeachtung der nachstehenden Hinweise kann es zu schweren Personenverletzungen oder tödlichen Unfällen kommen.

Verbinden Sie nicht mehrere Produkte mit einer einzigen Netzsteckleiste.
• Dies kann Überhitzungen und Brände verursachen.
• Wenn der Netzstecker nass oder verschmutzt ist, muss dieser vor der Benutzung erst abgetrocknet bzw. sauber gewischt werden.
• Stecken Sie den Netzstecker nicht ein, wenn sich dieser nicht ohne Widerstand in die Netzsteckdose einführen lässt.
• Mehrfachsteckdosen müssen genormt sein.



Verwenden Sie ausschließlich den mitgelieferten Netzadapter.
• Die Verwendung anderer Adapter ist gefährlich.



Ziehen Sie nicht am Netzstromkabel, um den Netzstecker aus der Steckdose zu ziehen.
• Das Kabel kann beschädigt werden und es kann zu einem Brand oder zum Defekt am Drucker kommen.



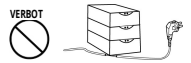
Bewahren Sie die Plastikhülle für Kinder unzugänglich auf.
• Anderenfalls könnte ein Kind die Hülle über den Kopf ziehen und darin ersticken.



Netzstecker nicht mit nassen Händen in die Steckdose stecken oder daraus herausziehen.
• Sie könnten sonst einen Stromschlag erleiden.



Das Netzstromkabel nicht knicken und keine schweren Gegenstände darauf abstellen.
• Ein beschädigtes Kabel kann einen Brand verursachen.



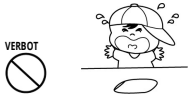
ACHTUNG

Durch Nichtbeachtung der nachstehenden Hinweise kann es zu leichten Verletzungen oder Schäden am Gerät kommen.

Wenn Sie aus dem Drucker Rauch aufsteigen sehen oder am Drucker einen ungewöhnlichen Geruch oder ein eigenartiges Geräusch wahrnehmen, ziehen Sie sofort den Netzstecker aus der Steckdose und führen Sie anschließend die folgenden Maßnahmen durch.
• Schalten Sie den Drucker aus und ziehen Sie den Netzstecker aus der Netzsteckdose.
• Warten Sie, bis kein Rauch mehr aus dem Drucker aufsteigt. Rufen Sie dann Ihren Händler an und bitten Sie ihn, das Gerät zu reparieren.



Bewahren Sie das Antikondensationsmittel für Kinder unzugänglich auf.
• Anderenfalls könnten die Kinder das Mittel verschlucken.



Stellen Sie den Drucker auf einer stabilen Unterlage auf.
• Sollte der Drucker herunterfallen, so kann er zerbrechen und es besteht Verletzungsgefahr.



Verwenden Sie nur genehmigte Zubehörteile und versuchen Sie nicht, den Drucker selbstauseinanderz-ubauen, zu reparieren oder umzubauen.
• Wenden Sie sich an Ihren Händler, falls Sie derartige Arbeiten benötigen.
• Berühren Sie nicht die Klinge des Autocutters.



Lassen Sie keine Flüssigkeiten oder sonstigen Fremdkörper in den Drucker eindringen.
• Sollte dies geschehen, so schalten Sie den Drucker aus und ziehen Sie den Netzstecker aus der Steckdose. Wenden Sie sich dann an Ihren Händler.



Benutzen Sie den Drucker nur, wenn er sich in einwandfreiem Zustand befindet. Anderenfalls besteht Brand- oder Stromschlaggefahr.
• Schalten Sie den Drucker aus und ziehen Sie den Netzstecker aus der Steckdose. Wenden Sie sich dann an Ihren Händler.



BIXOLON

Guía de instalación de la pantalla y Guía de seguridad

PANTALLA DE CLIENTE BCD-2000

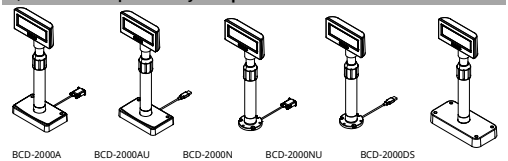
◈ Información

Esta guía de instalación incluye un breve resumen de la información necesaria para la instalación del producto. Para obtener información de instalación más detallada, consulte el manual de usuario en el CD adjunto. El contenido del CD incluye lo siguiente.

1. Manual de usuario, manual de comandos, página de códigos, manuales de software
2. Drivers: drivers de Windows, drivers OPOS, drivers VCOM (USB)
3. SDK: mPOS SDK (Android, Windows, iOS)
4. Utilidad: Utilidad de visualización del cliente

En BIXOLON mantenemos nuestros esfuerzos continuos para mejorar y actualizar las funciones y la calidad de todos nuestros productos. A continuación, las especificaciones del producto y/o el contenido del manual de usuario pueden cambiar sin previo aviso.
Consulte el sitio web de BIXOLON para conocer las direcciones y los números de teléfono de las oficinas centrales y sucursales de la empresa.(http://www.bixolon.com)

◈ Modelos de productos y componentes



Componentes comunes de todos los productos

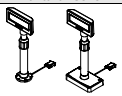
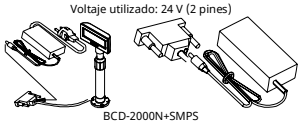

CD


Guía de instalación

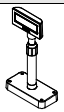
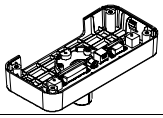
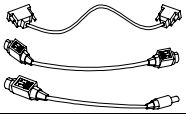

Tornillos
M3*10, roscadura con macho 4 ea

◈ Ajustes iniciales y opciones (serie)

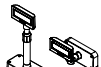
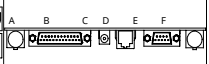
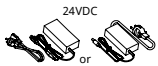
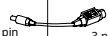
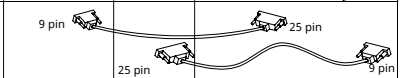
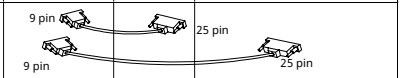
1. Conexión directa: Conectado a la pantalla directamente sin pasar por la placa.

Elemento	Pantalla - Serie
Modelo estándar	 BCD-2000N BCD-2000A
Cómo conectar un cable de alimentación al cable de serie	Conecte un SMPS al conector de cable de serie Voltaje utilizado: 24 V (2 pines)  BCD-2000N+SMPS

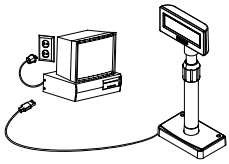
2. Paso: Los datos se transmiten a través del host (PC) → Monitor → Impresora.

Elemento	Pantalla - Serie
Modelo estándar	 BCD-2000DS
Especificaciones de la placa estándar	
Alimentación (Opcional)	 24V, 2,5A 24V, 1,5A
Tipos de cable (Opcional)	 Cable de serie de 9PM a 25PF Cable de alimentación 3P a 3P Cable de alimentación 3P a 2P

◈ Tipos de conexión (BCD-2000A/N/DS/WA/WN/WDS)

Componentes estándar	 (Lado del PC host) ▼	 (Lado de la impresora) ▼	 (Lado de la pantalla) ▼
Interfaz			 A B C D E F
Conexión eléctrica 1 (Se necesita una fuente de alimentación separada para Impresora/Pantalla)	-		 24VDC or
Conexión eléctrica 2 (SMPS→Pantalla →Impresora)	-	 3 pin 3 pin	 24VDC
Conexión eléctrica 3 (SMPS→Pantalla →Impresora)	-	 2 pin 3 pin	 24VDC
Conexión de cable de serie 1 (Host→Pantalla →Impresora)	 9 pin 25 pin 25 pin 9 pin		
Conexión de cable de serie 2 (Host→Impresora) (Host→Pantalla)	 9 pin 25 pin 9 pin 25 pin		
Misc.	A: Conector de fuente de alimentación (salida 24 V CC, 3 pines) B: Conector de interfaz de host (D-SUB de 25 pines, hembra) C: Conector de fuente de alimentación (entrada 24 V CC, 2 pines) D: Conector de pantalla E: Conector de interfaz de impresora (D-SUB de 9 pines, macho) F: Conector de fuente de alimentación (entrada 24 V CC, 3 pines)		

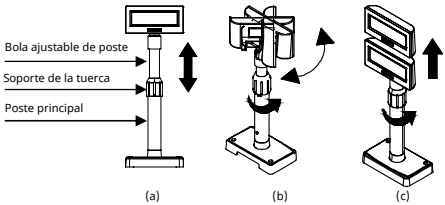
◈ Cómo conectar (BCD-2000AU/NU/WAU/WNU)



1. Instale el controlador USB Virtual COM.
2. Conecte el cable de la pantalla a un ordenador a través de un puerto USB.
3. Encienda el PC y la pantalla. El PC detectará automáticamente el nuevo hardware conectado al puerto USB.
4. Una vez que el controlador está instalado, la pantalla está lista para recibir datos.

◈ Giro

Este dispositivo se puede girar libremente. Siga las instrucciones a continuación para evitar daños o un mal funcionamiento al instalar el dispositivo.
Para cambiar la dirección de la pantalla después de la instalación, siga las instrucciones que se proporcionan a continuación.



(a) Baje el cuerpo en la dirección de la flecha. Gire el soporte de la tuerca para que el cuerpo baje (consulte las indicaciones OPEN/CLOSE (ABRIR/CERRAR) en el producto).

(b) Gire el cuerpo en el ángulo que desee.

※ **Precaución**

No gire el cuerpo más de una vez en la misma dirección.
(El cuerpo se puede girar indefinidamente).

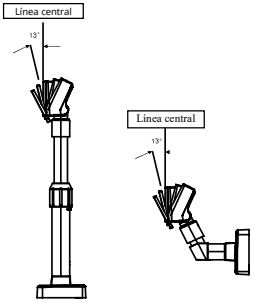
(c) Después de ajustar el ángulo, apriete el sujetador de tuercas. (Evite que el cuerpo gire cuando lo mueva hacia arriba y hacia abajo.) Ajuste la altura del cuerpo y apriete el soporte de tuercas.

※ **Precaución**

No apriete demasiado el soporte de tuercas, ya que puede causar daños.
Apriete para que el cuerpo no se mueva.

◈ Inclinación

El dispositivo se puede inclinar hasta el grado que desee.
Siga las instrucciones a continuación para evitar daños o un mal funcionamiento al instalar el dispositivo.
Se puede inclinar hasta 13° a cada lado con 4 niveles y 5 posiciones. (Inclinación: máx. 52°)



※ **Precaución**

No incline por encima del límite, ya que puede causar daños.

◈ Configuración de los interruptores DIP

Configuración del modo de emulación de comando y entrada de serie RS-232

※ **Precaución**

Apague el interruptor DIP antes de cambiar la configuración. Se aplican nuevas configuraciones de interruptores DIP cuando se enciende.

N.º	Función	Apagar	Encender
1	Longitud de datos	8 bits	7 bits
2	Comprobación de paridad	No	Sí
3	Selección de paridad	Impar	Par

4–6 Velocidad de datos

4	5	6	Tasa de baudios	4	5	6	Tasa de baudios
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	1	4,800 bps	1	0	1	57,600 bps
0	1	0	2,400 bps	1	1	0	38,400 bps
0	1	1	1,200 bps	1	1	1	19,200 bps

("0": INTERRUPTOR DESACTIVADO, "1": INTERRUPTOR ACTIVADO)

7–8 Emulación de comandos

7	8	Emulación de comandos	7	8	Emulación de comandos
0	0	ESC/POS	0	1	PD6000
1	0	CD5220	1	1	Estándar UTC / Mejora UTC

("0": INTERRUPTOR DESACTIVADO, "1": INTERRUPTOR ACTIVADO)

◆ Residuos de Aparatos Eléctricos y Electrónicos (RAEE)

Si esta marca aparece en el producto o en sus folletos, significa que el elemento correspondiente no debe desecharse con otros residuos del hogar una vez que llegue el final de su vida útil. Para evitar posibles daños al ambiente o a la salud humana que provengan de la eliminación descontrolada de desechos, separe este tipo de desecho y recíclelo responsablemente para fomentar la reutilización sostenible de los recursos materiales. Los usuarios particulares deberían contactarse con el minorista del lugar donde compraron este producto, o su oficina de gobierno local, para obtener detalles sobre adónde y cómo pueden llevar este artículo para que sea reciclado de manera segura para el medioambiente. Los usuarios empresariales pueden comunicarse con el proveedor o leer los términos y condiciones del contrato de compra. Este producto no debe mezclarse con otros desechos comercialespara su eliminación.

◆ Precausión de Seguridad

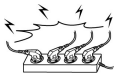
Es el contenido para prevenir el riesgo ó el daño material con el uso correcto del producto.Lo utilize con precausión.

ADVERTENCIA

Al violar los aspectos marcados se posible producir los daños serios ó el muerte.

No enchufe varios productos a una misma toma de corriente al mismo tiempo.
- Puede originar sobre-calentamiento y fuego.
- Si la clavija está húmeda o sucia, séquela o límpiela antes de usar.
- Si la clavija no ajusta perfectamente en la toma de corriente, no la enchufe.
- Use siempre enchufes múltiples estandarizados.

PROHIBIDO



Sólo debe utilizarse el adaptador suministrado.
- Es peligroso utilizar otros adaptadores.



No tire del cable para desenchufar.
- Puede dañarse el cable y provocar incendio o avería.

PROHIBIDO



Guarde la bolsa de plástico fuera del alcance de los niños.
- Si el niño se pone la bolsa en la cabeza, es peligroso.

PROHIBIDO



No enchufe o desenchufe con las manos húmedas.
- Peligro de sacudida eléctrica.

PROHIBIDO



No doble el cable a la fuerza. No lo deje debajo de objetos pesados.
- Puede ser causa de incendio.

PROHIBIDO



PRECAUCIÓN

Al violar los aspectos marcados se posible producir los daños ligeros ó la destrucción del producto.

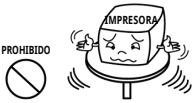
Si observa humo extraño, olor o ruido de la impresora, apague antes de proseguir.
- Apague la impresora y desenchufe de la corriente.
- Después de desaparecer el humo, llame al distribuidor para reparar la máquina.



Mantenga el desecante fuera del alcance de los niños.
- Peligro de que el niño se lo lleve a la boca.



Instale la impresora sobre una superficie estable.
- Si se cae, puede romperse o causarle daño.



Use siempre accesorios aprobados y no intente desmontar, reparar o remodelar la máquina Vd. mismo.
- Llame al distribuidor cuando necesite estos servicios.
- No toque la cuchilla del cortador automático.



No deje caer agua u otros objetos en la impresora.
- S esto sucede, apague la impresora, desconecte de la corriente y llame al distribuidor.



No utilice la impresora cuando está fuera de servicio. Puede originarse incendio o sacudida eléctrica.
- Apague y desenchufe lla impresora antes de llamar al distribuidor.



BIXOLON

Display Installation Guide & Safety Guide

CUSTOMER DISPLAY BCD-2000

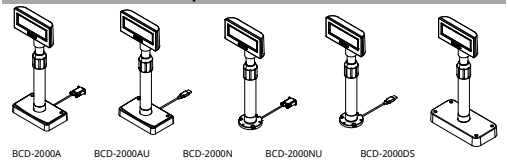
◈ Information

This Installation Guide includes a brief outline of information necessary for product installation. For more detailed installation information, please refer to the user manual in the enclosed CD. The contents of the CD include the following.

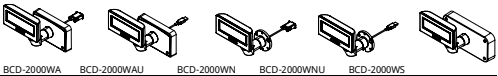
1. Manual: User Manual, Command Manual, Code Page, Software Manuals
2. Drivers: Windows Drivers, OPOS Drivers, VCOM(USB) Drivers
3. SDK: mPOS SDK (Android, Windows, iOS)
4. Utility: Customer Display Utility

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice. Please refer to the BIXOLON website for the addresses and phone numbers of the company's headquarters and branch offices.(http://www.bixolon.com)

◈ Product Models & Components



BCD-2000A BCD-2000AU BCD-2000N BCD-2000NU BCD-2000DS



BCD-2000WA BCD-2000WAU BCD-2000WN BCD-2000WNU BCD-2000WS

Common Components of All Products



CD



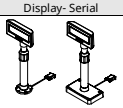
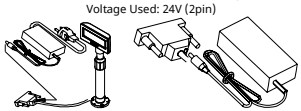
Installation Guide



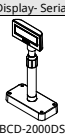
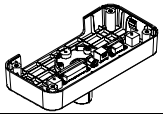
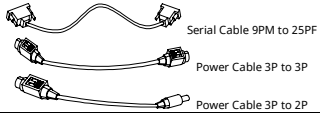
Screws
M3*10,Tapping 4 ea

◈ Initial Settings & Options (Serial)

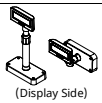
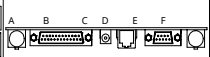
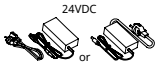
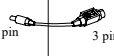
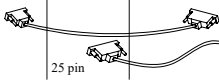
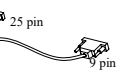
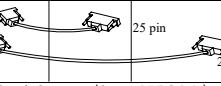
1. Direct Connection: Connected to the Display directly without passing through the board.

Item	Display- Serial
Standard Model	 BCD-2000N BCD-2000A
How to Connect a Power Cable to the Serial Cable	Connect an SMPS to the Serial Cable Jack Voltage Used: 24V (2pin)  BCD-2000N+SMPS

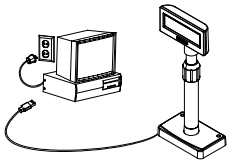
2. Pass Through: Data transmits through Host(PC) → Display → Printer.

Item	Display- Serial
Standard Model	 BCD-2000DS
Standard Board Specificati ons	
Power (Optional)	 24V, 2.5A 24V, 1.5A
Cable Types (Optional)	 Serial Cable 9PM to 25PF Power Cable 3P to 3P Power Cable 3P to 2P

◈ Connection Types (BCD-2000A/N/DS/WA/WN/WDS)

Standard Components	 (Host PC Side) ▼	 (Printer Side) ▼	 (Display Side) ▼
Interface			 A B C D E F
Power Connection 1 (Separate power supply needed for Rinter/Display)	-		 24VDC or
Power Connection 2 (SMPS→Display →Printer)	-	 3 pin 3 pin	 24VDC
Power Connection 3 (SMPS→Display →Printer)	-	 2 pin 3 pin	 24VDC
Serial Cable Connection 1 (Host→Display →Printer)	 9 pin	 25 pin 25 pin	 9 pin
Serial Cable Connection 2 (Host→Printer) (Host→Display)	 9 pin 9 pin	 25 pin 25 pin	
Misc.	A: Power Supply Connector (Output 24VDC, 3pin) B: Host Interface Connector (D-SUB 25pin, Female) C: Power Supply Connector (Input 24VDC, 2pin) D: Display Connector E: Printer Interface Connector (D-SUB 9pin, Male) F: Power Supply Connector (Input 24VDC, 3pin)		

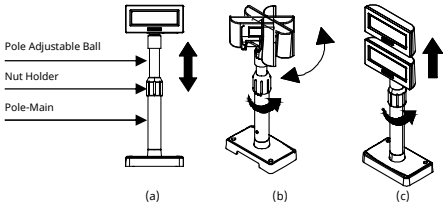
◈ How to Connect (BCD-2000AU/NU/WAU/WNU)



1. Install the USB Virtual COM driver.
2. Connect the display cable to a computer via a USB port.
3. Turn on the PC and display. The PC will automatically detect new hardware connected to the USB port.
4. Once the driver is installed, the display is ready to receive data.

◈ Swivel

This device can be swiveled freely. Please follow the instructions below to avoid damage or malfunction when installing the device. To change the direction of the display after installation, follow the instructions provided below.



(a) Lower the body to the direction of the arrow. Spin the Nut Holder so the body goes down.(Refer to the OPEN/CLOSE indications on the product.)

(b) Swivel the body to the angle you want.

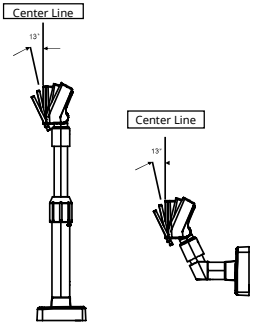
※ **Caution**
Do not turn the body more than once in the same direction.
(The body can be turned indefinitely.)

(c) After adjusting the angle, tighten the Nut Holder. (Keep the body from swiveling when moving it up and down.) Adjust the height of the body and tighten the Nut Holder.

※ **Caution**
Do not over-tighten the Nut Holder as it can cause damage.
Please tighten so that the body does not move.

◈ Tilting

The device can be tilted to the degree you want.
Please follow the instructions below to avoid damage or malfunction when installing the device. It can be tilted up to 13° to each side with 4 levels and 5 positions. (Tilt: max. 52°)



※ **Caution**
Do not tilt over the limit as it can cause damage.

◈ Setting the DIP Switches

RS-232 serial input and command emulation mode settings

※ **Caution**
Turn off the DIP switch before changing the settings. New DIP switch settings apply when powered on.

No.	Function	Switch OFF	Switch ON
1	Data Length	8 bits	7 bits
2	Parity check	No	Yes
3	Selection of parity	Odd	Even

4–6 Data Rate

4	5	6	Baud-rate	4	5	6	Baud-rate
0	0	0	9,600 bps	1	0	0	115,200 bps
0	0	1	4,800 bps	1	0	1	57,600 bps
0	1	0	2,400 bps	1	1	0	38,400 bps
0	1	1	1,200 bps	1	1	1	19,200 bps

("0" : S/W OFF, "1" : S/W ON)

7–8 Command Emulation

7	8	Command Emulation	7	8	Command Emulation
0	0	ESC/POS	0	1	PD6000
1	0	CD5220	1	1	UTC Standard / UTC Enhance

("0" : S/W OFF, "1" : S/W ON)

◈ WEEE (Waste Electrical and Electric Equipment)

This marking shown on the product or its literature, indicates that is should not be disposed with other household wastes at the end of its working life, To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

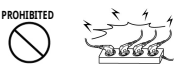
◈ Safety Precautions

In using the present appliance, please keep the following safety regulations in order to prevent any hazard or material damage.

WARNING

Violating following instructions can cause serious injury or death.

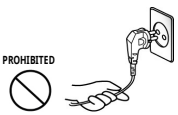
Do not plug several products in one multi-outlet.
- This can provoke over-heating and a fire.
- If the plug is wet or dirty, dry or wipe it before usage.
- If the plug does not fit perfectly with the outlet, do not plug in.
- Be sure to use only standardized multi-outlets.



You must use only the supplied adapter.
- It is dangerous to use other adapters.



Do not pull the cable to unplug.
- This can damage the cable, which is the origin of a fire or a breakdown of the printer.



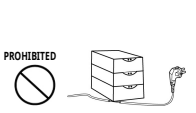
Keep the plastic bag out of children's reach.
- If not, a child may put the bag on his head.



Do not plug in or unplug with your hands wet.
- You can be electrocuted.



Do not bend the cable by force or leave it under any heavy object.
- A damaged cable can cause a fire.



CAUTION

Violating following instructions can cause slight wound or damage the appliance.

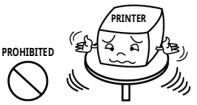
If you observe a strange smoke, odor or noise from the printer, unplug it before taking following measures.
- Switch off the printer and unplug the set from the mains.
- After the disappearance of the smoke, call your dealer to repair it.



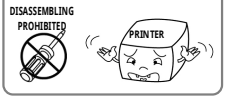
Keep the desiccant out of children's reach.
- If not, they may eat it.



Install the printer on the stable surface.
- If the printer falls down, it can be broken and you can hurt yourself.



Use only approved accessories and do not try to disassemble, repair or remodel it for yourself.
- Call your dealer when you need these services.
- Do not touch the blade of auto cutter.



Do not let water or other foreign objects in the printer.
- If this happened, switch off and unplug the printer before calling your dealer.



Do not use the printer when it is out of order. This can cause a fire or an electrocution.
- Switch off and unplug the printer before calling your dealer.

