



MC9190-G



MC9190-G

72E-140936-01K0

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2011 1

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 가 , Motorola, Inc.
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BTEplorer	x
Fusion	x
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C:

.....	C-1
28	C-2
43	C-5
53	C-8
3270	C-11
5250	C-14
VT	C-17
.....	C-20
.....	C-21

MC9190-G



MC9190-G

- **MC9190-G** - MC9190-G
- **MC9190-G** - MC9190-G
- **EMDK** - API

MC9190-G	WLAN: 802.11a/b/g WPAN: Bluetooth		256MB RAM/1GB	(HD, DL, SR)	Windows CE 6.0 Mobile 6.5	28 , 43 , 53 , VT, 3270, 5250
----------	--------------------------------------	--	------------------	--------------	---------------------------------	----------------------------------

- AKU(Adaptation Kit Update)
- OEM
- BTEplorer
- Fusion

Mobile 6.5 AKU

Mobile 6.5 AKU(Adaptation Kit Update)

Start() > Settings() > System() > About() > Version()
 , 23103.5.3.3 가 AKU 5.3.3 AKU

OEM

OEM

Mobile 6.5 , Start() > Settings() > System() > System Information() >
 System()

CE 6.0 , Start() > Settings() > Control Panel() > System Information() >
 System()

BTEplorer



Microsoft Bluetooth
 Bluetooth

. BTEplorer
 . Bluetooth

StoneStreet One
 MC9190-G

BTEplorer

Mobile 6.5 , Start() > BTEplorer > Menu() > About()

CE 6.0 , BTEplorer > Show BTEplorer(BTEplorer) > File() > About()

Fusion

Fusion

Mobile 6.5 , Start() > Wireless Companion() > Wireless Status() > Version()

Windows CE 6.0 , Wireless Strength() > Wireless Status() > Version()
 Start() > Programs() > Fusion > Wireless Status() > Version()

MC9190

가

- MC9190-G , p/n 72-139206-xx
 - MC9190-G , p/n 72-139207-xx
 - MC9190-G , p/n 72E-140937-xx
 - EMDK(Enterprise Mobility Developer Kit) <http://supportcentral.motorola.com>
 - Windows CE 6.0 MC9190-G (MC9190c60 DCP) SDK(PSDK9190c60) <http://supportcentral.motorola.com>
 - ActiveSync <http://www.microsoft.com>
<http://supportcentral.motorola.com>
-

가 Motorola
<http://www.motorola.com/enterprisemobility/contactsupport>

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MC9190-G



1-1 MC9190-G

MC9190-G

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-
- (MC9190-G)
- ()
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가 , Motorola Global Interactive Center

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MC9190-G

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- MC9190-G
- MC9190-G

MC9190-G

MC9190-G

MC9190-G

MC9190-G

(1-2).

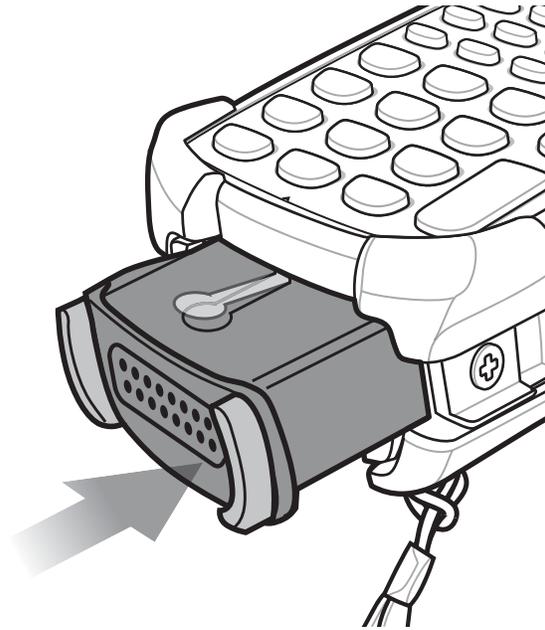


가

가

가

MC9190-G



1-2



6-2

MC9190-G (4
 CAM MSR 1-1). 4 . MC9190-G ,
 MC9190-G MC9190-G가
 . MC9190-G 가 30
 . MC9190-G 가
 15 ,
 MC9190-G . MC9190-G 15
 가 72 가
 ✓ 15 가 가

- : MC9190-G (,).
 MC9190
 - /USB
 - 4-
 - 4-
- : MC9190-G MC9190
 - CAM
 - MSR
- : MC9190-G MC9190-G MC9190
 - /USB
 - 4
 - (UBC)

✓ MC9190-G 1-8

1. 가
2. MC9190-G
3. MC9190-G가 LED LED가
 1-1
 4

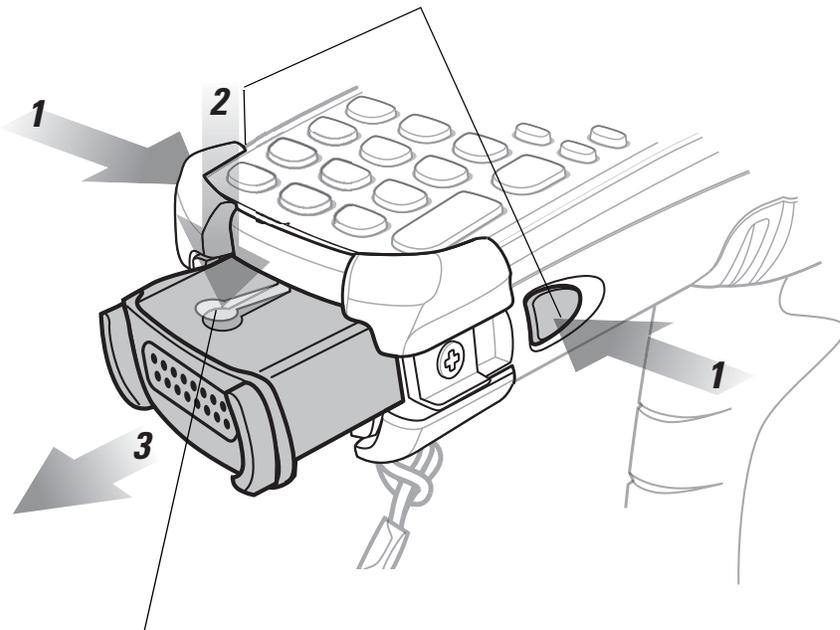
1-1 MC9190-G LED

LED	
	MC9190-G가 CAM MSR MC9190-G가
	MC9190-G가
	MC9190-G가
	: MC9190-G LED가 가

- /USB
- 4
- UBC

5 ,

1. Windows Mobile 6.5 , PowerKey Action() . Safe Battery Swap()
2. LED
3. LED 가 MC9190-G
4. MC9190-G가 3-4
5. MC9190-G



MC9190-G

MC9190-G MC9190-G . MC9190-G가 . 2-24



MC9190-G

MC9190-G

가

1.



MC9190-G **FUNC + ESC**

2.

ESC

- Windows CE 6.0 , **Start() > Settings() > Control Panel() > Power()** **Battery Status()**
 - Windows Mobile 6.5 , **Start() > Settings() > System() > Power()** **Power()**
- () MC9190-G가

MC9190-G

MC9190-G

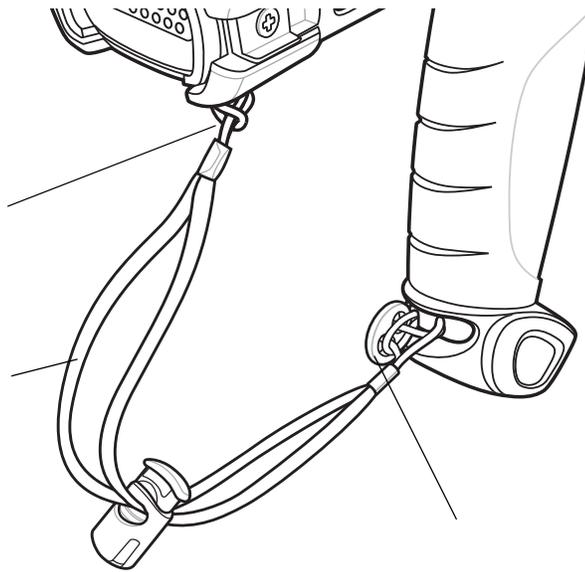
1.

2.

3.

4.

가 MC9190-G



1-4

- MC9190-G AC
- MC9190-G
- 가
-
-
- MC9190-G

MC9190-G

1. Windows CE 6.0 , Start() > Settings() > Control Panel() > Power() > Advanced()
- Windows Mobile 6.5가 , Start() > Settings() > System() > Power() > Advanced()
2. On battery power: Turn off device if not used for():):
3. OK()

1. Windows CE 6.0 , Start() > Settings() > Control Panel() > Backlight() > Battery Power()

Windows Mobile 6.5가 , Start() > Settings() > System() > Backlight() > Battery Power()

2. On battery power: Disable backlight if not used for():

3. Brightness()

4. Disable backlight()

5.

6. OK()

1. Windows CE 6.0 , Start() > Settings() > Control Panel() > Keylight() > Battery Power()

Windows Mobile 6.5가 , Start() > Settings() > System() > Keylight() > Battery Power()

2. On Battery Power: Disable keylight if not used for():

3. Advanced()

4. Disable keylight()

5. OK()

Mobile 6.5가

Windows Mobile 6.5 Wireless Manager()가 ,

1. Wireless Manager() Wireless Manager()

Start() > Settings() > Connections() > Wireless()

2.

3. All()

4. Menu()

CE 6.0

WLAN

WLAN Fusion Disable Radio()
X가 ()



Fusion

1-5 Fusion

Fusion Enable Radio()
X가 ()

StoneStreet One

Bluetooth

Bluetooth Bluetooth Disable Bluetooth(Bluetooth)



Bluetooth

1-6 Bluetooth

Bluetooth Bluetooth Enable Bluetooth(Bluetooth)

2 MC9190-G

MC9190-G

MC9190-G

Windows CE 6.0

가



2-1

MC9190-G

2-1

10:30 AM	:
	가 Power Properties() 가 AC
	AC : 가 MC9190-G가
	: 가 (100%) 가 10% 가 10% 100%
	:
	: WLAN
	IST: IST
	Bluetooth : Bluetooth (BTEplorer).
	Bluetooth : Bluetooth (BTEplorer).
	Bluetooth : MC9190-G가 Bluetooth (BTEplorer).
	DataWedge : DataWedge
	DataWedge : DataWedge
	Shift: SHIFT
	FUNC: FUNC
	CTRL: CTRL
ALT	ALT: ALT
ALP	ALPHA: MC9190-G ALPHA 가

 2-2

2-2

	:		Fusion :
	AirBEAM : MC9190-G		BT : Bluetooth Bluetooth
	BTScanner CtlPanel: Bluetooth COM		: DOS
	CtlPanel: MC9190-G		Internet Explorer: WAP
	Media Player:		Microsoft WordPad:
	MSP : MSP MC9190-G 가 MC9190-G		: MSP(Mobility Services Platform) FTP MC9190-G MC9190-G
	: Windows NT MC9190-G		TelentCE: Wavelink Telnet
	: MC9190-G		Windows :

제어판

표 2-3을 통해 제어판에 있는 애플리케이션 목록을 확인할 수 있습니다.

표 2-3 제어판에 있는 애플리케이션

아이콘	설명	아이콘	설명
	백라이트: 백라이트 밝기와 전원 설정을 조정합니다.		Bluetooth 장치 속성: Bluetooth 애플리케이션을 시작합니다.
	인증서: MC9190-G에 설치된 인증서 정보를 확인합니다.		DataWedge: 샘플 스캐닝 애플리케이션입니다. 아이콘은 설치 후에 표시됩니다.
	날짜/시간: 날짜, 시간 및 표준 시간대 정보를 변경합니다.		장치 관리: 새 소프트웨어 패키지를 다운로드하고 설치할 수 있습니다.
	다이얼링: 모뎀 통신에 대한 다이얼링 속성을 설정하고 전화 통신 설정을 변경합니다.		디스플레이: 데스크톱 배경, 모양, 백라이트 및 밝기를 변경합니다.
	오류 보고: 심각한 오류가 발생할 경우에 사용할 수 있도록 MC9190-G가 소프트웨어 운용 정보를 수집할지 여부를 선택합니다.		입력 패널: 입력 방법을 전환하고 입력 옵션을 설정합니다.
	인터넷 옵션: MC9190-G의 인터넷 연결 방식을 제어합니다.		IST 설정: MC9190-G의 대화형 감지 기술을 구성하기 위한 적절한 설정을 구성합니다.
	키보드: 키보드 반복 지연과 속도를 변경합니다.		키라이트: 키패드 조명 설정을 조정합니다.
	마우스: 속도와 타이밍에 대한 더블 클릭 감도를 조정합니다.		네트워크 및 전화 접속 연결: 모뎀을 사용하여 다른 컴퓨터, 네트워크 및 인터넷에 연결합니다.
	소유자: 소유자의 개인 프로필을 변경합니다.		암호: MC9190-G에 암호를 설정합니다.
	PC 연결: 호스트 컴퓨터의 연결 설정을 변경합니다.		전원: MC9190-G 전원 설정을 확인하고 제어합니다.
	국가별 설정: 번호, 통화, 날짜 및 시간의 표시 방식을 설정합니다.		프로그램 제거: MC9190-G에 설치된 프로그램을 제거합니다.

2-3

()

	: QVGA VGA MC9190-G		:
	:		: MC9190-G
	USB : MC9190-G USB		:

Windows Mobile 6.5

Windows Mobile 6.5

가

Windows Mobile 6.5

가

가

가

가

가

가

가

가

가

MC9190-G

Windows Mobile

가

Today()



2-2 Windows Mobile

가

가



2-3 Today()

가

가



2-4



2-5

Appearance() > Settings() > Today() . 가
Items()

Today()

Windows Mobile 6.1

Today()



Today()

2-6

Today()

> Settings() > Home() > Items()



2-7

Windows Default(Windows)

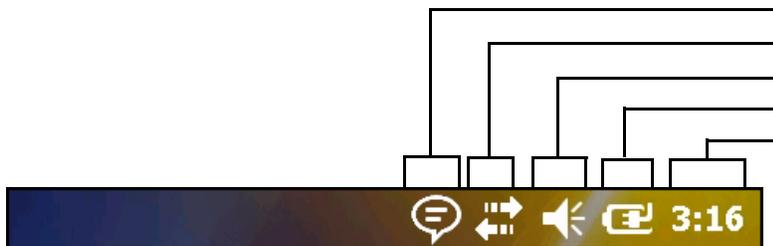


2-4

2-4

	: WLAN
	Bluetooth : Bluetooth (StoneStreet One Bluetooth).
	Bluetooth : Bluetooth (StoneStreet One Bluetooth).
	Bluetooth : MC9190-G가 Bluetooth (StoneStreet One Bluetooth).
	ActiveSync: MC9190-G
	DataWedge : DataWedge
	DataWedge : DataWedge

2-5



2-8

2-5

	가		가
	/ 가		
			
			WLAN
	WLAN		
	가		가
			가
	가		가
	가		가

가



2-9

2-6

	:
	: Connectivity()
	: Volume()
	: Power()
	: Clocks & Alarms()



2-10

가



가

2-7

2-7

	:		: SMS
	:		:
	Internet Explorer: WAP		: MC9190-G
	:		: 2-8
	: GIF		:
	Windows Media -		:
	Marketplace: Marketplace		Messenger: Windows Live Messenger
	Windows Live: Windows Live™		Microsoft My Phone: MC9190-G Microsoft My Phone
	MSN Money:		MSN Weather:
	:		:
	Office Mobile: Microsoft® Office		:
	:		:
	ActiveSync: MC9190-G Exchange Server		: MC9190-G

2-7

()

	:		: CPU Windows Mobile 6 Microsoft
	Adobe Reader: pdf		: MC9190-G Windows Mobile 6 Microsoft
	:		BT : Bluetooth Bluetooth
	AirBEAM : MC9190-G		BTScanner CtlPanel: Bluetooth COM
	: MC9190-G		: Windows NT MC9190-G
	MSP : MSP MC9190-G 가 MC9190-G		BTExplorer: StoneStreet One Bluetooth MC9190-G StoneStreet One Bluetooth
	: MSP(Mobility Services Platform) FTP MC9190-G MC9190-G		

2-8

	:		: MC9190-G
	:		:
	:		:
	:		Microsoft My Phone: www.microsoft.com My Phone
	: IrDA MC9190-G		: Bluetooth, GPRS, 가
	Bluetooth: Microsoft StoneStreet One Bluetooth, MC9190-G Bluetooth		AD Windows Mobile 6 Microsoft
	Wi-Fi:		USB-PC :
	: MC9190-G Wi-Fi Bluetooth		
	:		: MC9190-G
	: Windows Mobile® MC9190-G		: MC9190-G
	:		: Windows Mobile 6
	: Microsoft		:

2-8

()

	MC9190-G		IST
			
			가
			: MC9190-G
	: MC9190-G		USB : MC9190-G USB
			UI
	DataWedge:		

- 1.
- 2.
- 3.

. Volume() 가



MC9190-G

MC9190-G

MC9190-G

MC9190-G가



PIN

MC9190-G가



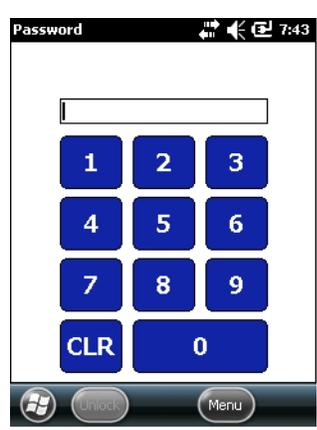
2-11

MC9190-G **Unlock()**

Unlock()

PIN

MC9190-G가



2-12 PIN

PIN **Unlock()**

MC9190-G가



2-13

Unlock()

Password()

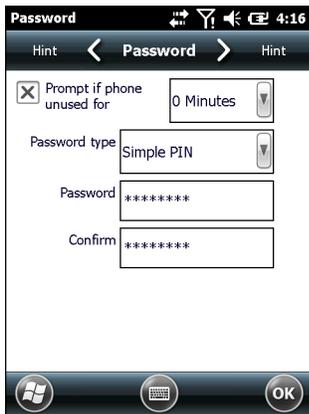
MC9190-G



MC9190-G가

()

1. > Settings() > Lock() > Password()



2-14 Password()

2. Prompt if device unused for() 가 ()

- 3.

4. Password type(): Simple PIN(PIN) Strong alphanumeric()

5. Password() 4

a. Password(): 7
3가 가

b. Confirm():

6.

7. 가 Hint()

8.

9.

10.

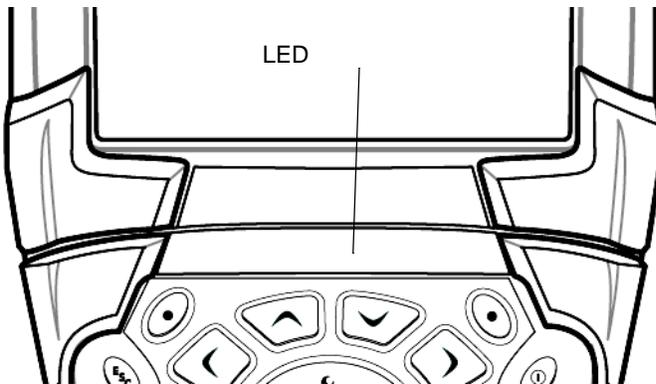
LED

MC9190-G

LED

2-9

LED



2-15 MC9190-G LED

2-9 MC9190-G LED

LED	
	가 /
	/ 가
	MC9190-G
	. MC9190-G가
	MC9190-G 가

MC9190-G

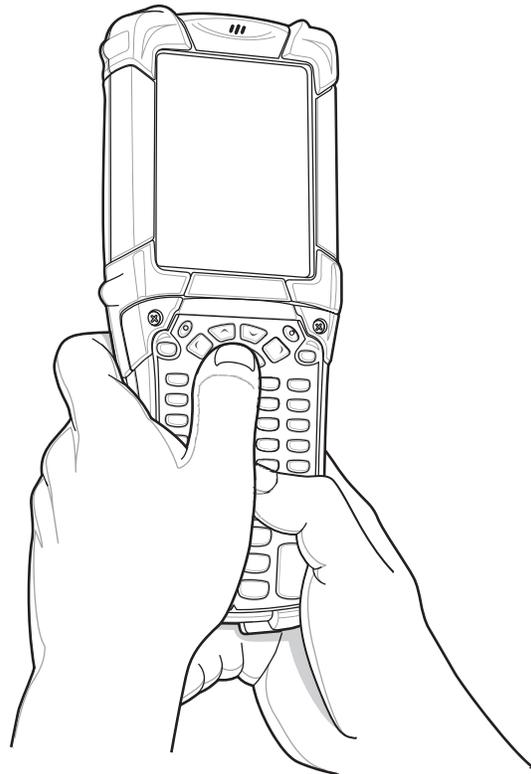
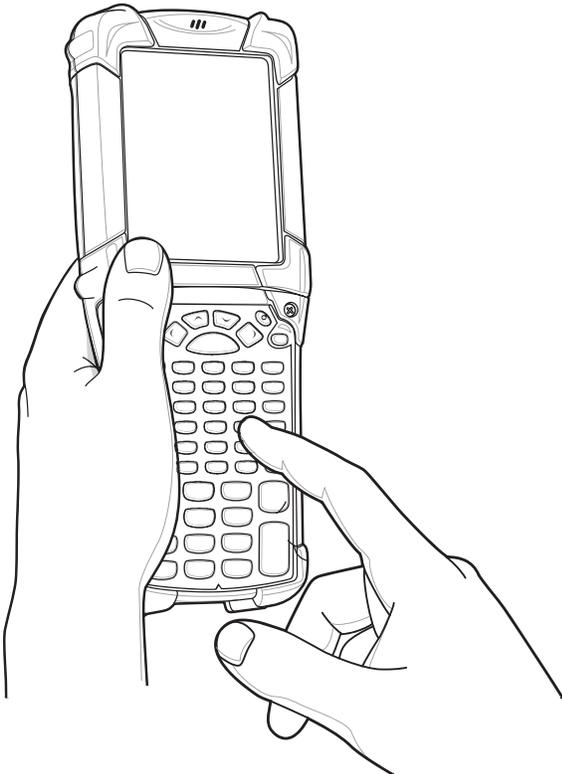
가

가

- 28
- 43
- 53
- 3270
- 5250
- VT

C,

(2-16).



MC9190-G (MC9190-G가
 MC9190-G가 1-6 MC9190-G

MC9190-G

- Windows CE 6.0
 - - MC9190-G
 - - MC9190-G 가
- Windows Mobile 6.5
 - - MC9190-G 가
 - - MC9190-G 가



가

MC9190-G 2-23 Windows Mobile 6.5

LAN



WLAN WLAN MC9190-G가 MC9190-G가
 MC9190-G MC9190-G

MC9190-G MC9190-G
 3.00 Wireless Fusion Enterprise Mobility Suite
<http://supportcentral.motorola.com> MC9190-G

Fusion x

Windows CE

Wireless Launcher()



Windows Mobile 6.5



Windows Mobile
Fusion

Wireless launcher()
Fusion Menu(Fusion)

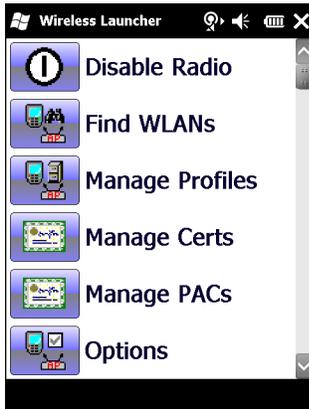
Wireless Launcher()
Wireless Launcher()
Fusion Menu(Fusion)

가 Windows Mobile 6.5 Today()
Today() Fusion



2-18 Today() Fusion

Wireless Launch()



2-19 Wireless Launcher()

MC9190-G IST()

IST

- - IST / ,
MC9190-G
- - MC9190-G 가
- -

MC9190-G

MC9190-G
IST

MC9190-G / , MC9190-G
MC9190-G 가

MC9190-G
90°

IST

가
가

MC9190-G
90°

가 . IST 90°

IST

MC9190-G

가 450ms

. MC9190-G가

. 450ms

IST

1

IST

가

MC9190-G

MC9190-G

Motorola 2.5mm

가 Motorola 5-1

5-1



2-20 (MC9190-G)

Bluetooth

MC9190-G

Bluetooth 4 , Bluetooth

Bluetooth

Bluetooth MC9190-G

MC9190-G

Windows CE 6.0

가 가

MC9190-G

MC9190-G가 RAM

MC9190-G가

MC9190-G가

5

MC9190-G가

가 MC9190-G가 , (가)



ActiveSync

1. MC9190-G MC9190-G
2. 가 가
3. MC9190-G 가 가
4. MC9190-G가
5. MC9190-G [1-6](#)

Windows Mobile 6.5

가 가

- MC9190-G
- MC9190-G

MC9190-G가

MC9190-G가

5 . MC9190-G가

MC9190-G

가

가

1. PowerKey Action()
2. Safe Battery Swap() . LED
3. MC9190-G MC9190-G
4. 가 가
5. MC9190-G 가 가
6. MC9190-G가

MC9190-G Power() . Start() > Settings() >

BatteryMgmt()

2-10 BatteryMgmt()

State of Health()	Healthy() Unhealthy()
Battery Usage Indicator ()	
Battery Usage Threshold ()	
Battery Serial # ()	

MC9191-G

MC9190-G

MC9190-G

MC9190-G

가

2-11

2-11

AC		
MC9190-G		
MC9190-G		
MC9190-G		
MC9190-G USB		
MC9190-G USB		
Bluetooth		
USB		

3

MC9190-G

-
-
- (, (DPM))
-

LED

/ LED (LED) LED 1-1
1-1

3-1 LED

LED	

-
1. Windows CE가 Windows Mobile MC9190-G DataWedge ScanSamp2 Example DataWedge ScanSamp2 Example 3-5 DataWedge ScanSamp2 Example (DataWedge ScanSamp2 Example)
 2. MC9190-G

3.

가

LED

LED



3-1

4.

•

()

, 가

가

가

•

가



Motorola

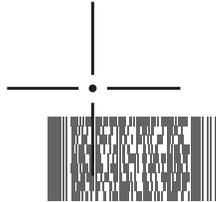
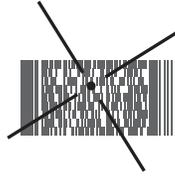
- 가 MC9190-G
- 가 (360°), PDF417 2
-
-

- 가 MC9190-G 가
- Decode Mode(): MC9190-G가 가

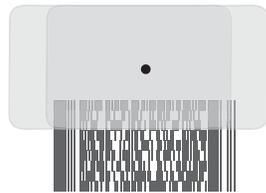
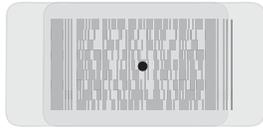
✓ <http://supportcentral.motorola.com> Windows CE CtlPanel Support Central
Windows Mobile Control Panel
API

- Pick List Mode(): MC9190-G 가 (1D 2D) /
- Image Capture Mode(): MC9190-G

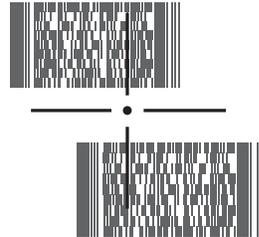
- DataWedge ScanSamp2 3-5
- Windows CE가 Windows Mobile MC9190-G ScanSamp2 MC9190-G DataWedge
- (DataWedge ScanSamp2)
 - MC9190-G
 - 가 LED LED



3-2

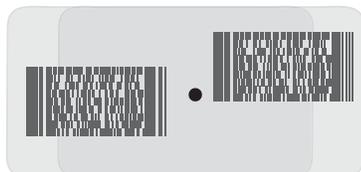
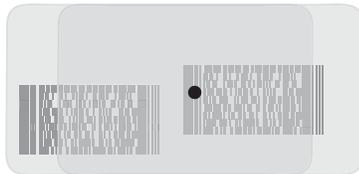


3-3



3-4

가



3-5

가

- ImagerSample
ImagerSample 3-5
- Windows CE가 MC9190-G
가
1. (ImagerSample)
 2. MC9190-G
 3. 가

DataWedge



DataWedge MC9190-G

MC9190-G

DataWedge

DataWedge

1. Windows Mobile , Start() > Settings() > System() > DataWedge
Windows CE , Start() > Settings() > Control Panel() > DataWedge
2. Basic configuration() > 1. Barcode input()
3. 1.1D Scanner Driver(1D) 1. Block Buster Imager()
4. 가 1. Enabled() 1. Enabled()
5. OK()
6. Running() DataWedge . DataWedge 가 Ready()
7. OK()

DataWedge

DataWedge

1. Windows Mobile , Start() > Settings() > System() > DataWedge
Windows CE , Start() > Settings() > Control Panel() > DataWedge
2. Running() DataWedge . DataWedge 가 Stopped()
3. OK()

ScanSamp2 Example

ScanSamp2 Example

1. Start() > Programs() > Samples()
- 2.
3. OK()
Cancel()

ImagerSample

ImagerSample

1. Start() > Programs() > Samples()
2.
File() > Exit()

RS507

RS507 MC9190-G

✓ RS507 MC9190-G

RS507

1. Start() > Programs() > BTScannerCtlPanel(BT)
2. , BT Scanner(BT) Com
3. Save and Exit()
4. Start() > Programs() > BT Information(BT)
5. Generate Local BD Address Barcode(BD) 가

✓ Windows CE가 MC9190-G가 VGA RS507 RS507

6. RS507 . RS507 MC9190-G

RS507

4 Bluetooth

Bluetooth가 Scientific and Medical (10m/32.8ft) (802.15.1) (FHSS) (RF) 2.4GHz ISM(Industry Bluetooth

Bluetooth MC9190-G Bluetooth

Bluetooth StoneStreet One Bluetooth MC9190-G StoneStreet Bluetooth API Microsoft Bluetooth EMDK()

가 AFH가 가 (AFH) piconet(Bluetooth) 802.11b 가 AFH Bluetooth , Bluetooth . AFH . Bluetooth AFH

- -
- - AFH Bluetooth
- -
- - 가

AFH가 Motorola Bluetooth 가 802.11b ()“ ” . AFH

MC9190-G Bluetooth Class 2 2.5mW 10m(32.8ft) 가

✓ 802.11b Bluetooth

Bluetooth 가 , 가 Bluetooth

Bluetooth

Bluetooth Bluetooth PIN 가 PIN

Bluetooth Bluetooth 가 (PIN)

Bluetooth Bluetooth Bluetooth 128

PIN Bluetooth

-
- PIN MC9190-G
-

Microsoft Microsoft MSDN

3()

MC9190-G 3 ().

Microsoft Bluetooth API , API CALL GOES HERE

Microsoft MSDN

StoneStreet One Bluetooth **Settings() > Security()** **Encrypt Link On All**

Outgoing Connections() , API , CALL GOES HERE

Motorola EMDK

Bluetooth

MC9190-G Microsoft . Microsoft Bluetooth StoneStreet
 One Bluetooth MC9190-G .
 4-1 StoneStreet One Bluetooth Microsoft Bluetooth .

4-1 Bluetooth

Microsoft Bluetooth		StoneStreet One Bluetooth	
Windows Mobile	WinCE	Windows Mobile	WinCE
Serial Port Service ()	Serial Port Service ()	Serial Port Service ()	Serial Port Service ()
Dial-Up Networking Client Service()		Dial-Up Networking Client Service()	Dial-Up Networking Client Service ()
OBEX Object Push Service(OBEX)		OBEX Object Push Client and Host Services(OBEX)	OBEX Object Push Client and Host Services(OBEX)
HID Client Service (HID)		HID Client Services(HID)	HID Client Services(HID)
A2DP/AVRCP Service(A2DP/AVRCP)		LAN Client Services(LAN)	LAN Client Services(LAN)
		Headset Audio Gateway Client Services()	Headset Audio Gateway Services ()
Personal Area Networking Services()		Personal Area Networking Services ()	Personal Area Networking Services()
		File Transfer Client and Host Services()	File Transfer Client and Host Services()
		A2DP/AVRCP Services(A2DP/AVRCP)	

4-2 StoneStreet One Bluetooth Microsoft Bluetooth COM .

4-2 COM

Microsoft Bluetooth	StoneStreet One Bluetooth
COM5	COM5
COM9	COM9
	COM11
	COM21
	COM22
	COM23

Bluetooth

StoneStreet One Bluetooth

MC9190-G Bluetooth (가) Bluetooth가 가

Microsoft Bluetooth

Bluetooth 가

StoneStreet One Bluetooth

Bluetooth가

Microsoft Bluetooth

Bluetooth 가

Bluetooth Bluetooth

Bluetooth

StoneStreet One Bluetooth

✓ MC9190-G Bluetooth Bluetooth MC9190-G가 MC9190-G가 Bluetooth Bluetooth MC9190-G가 Bluetooth 가 MC9190-G

Microsoft Bluetooth

✓ MC9190-G Bluetooth Bluetooth MC9190-G가 MC9190-G Bluetooth MC9190-G가 Bluetooth 가 MC9190-G

Bluetooth가

MC9190-G가

Bluetooth가

Windows Mobile 6.5 Microsoft Bluetooth

Windows Mobile 6.5

Microsoft Bluetooth

Bluetooth

Bluetooth 가 MC9190-G (:) Bluetooth Bluetooth
Bluetooth Bluetooth .가 Bluetooth



Bluetooth

Bluetooth

1. **Wireless Manager() Bluetooth**
Start() > Setting() > Connections() > Bluetooth > Mode()
2. **Turn On Bluetooth(Bluetooth)**
3. **OK()**

Bluetooth

Bluetooth

1. **Wireless Manager() Bluetooth**
Start() > Setting() > Connections() > Bluetooth > Mode()
2. **Bluetooth**
3. **OK()**

Bluetooth

MC9190-G Bluetooth
MC9190-G 가 4-26

Bluetooth

1. Bluetooth
2. Bluetooth 가
3. 가 10m(30ft)
4. **Start() > Setting() > Connections() > Bluetooth > Devices ()**

5. Add new device() . MC9190-G가 Bluetooth

6.

7. Next()



가 가 PIN Enter Passcode(

8.

가 Bluetooth 가
가
가
Bluetooth

9.

가
(
)

10.

11.

가
가

12.

가
가 (" ")

가



PIN ,

Microsoft Bluetooth Windows Mobile 6.5 MC9190-G

- OBEX Object Push via Beam(OBEX)
-
- Personal Area Networking()
- HID
- Dial-up Networking()
- A2DP/AVRCP

Object Push Services via Beam()



OBEX Bluetooth MC9190-G Bluetooth

1. Bluetooth 가
2. 가 10m(30ft)
3. Start() > Programs() > File Explorer()
- 4.
5. 가



4-1 File Explorer()

6. Beam File() . MC9190-G가 Bluetooth
7. Bluetooth Tap to send() . MC9190-G가
Tap to send() 가 Done()

MC9190-G Bluetooth

1. Bluetooth 가
2. 가 10m(30ft)
3. Start() > Contacts()
- 4.
5. 가
6. Send Contact() > Beam() . MC9190-G가 Bluetooth
7. Bluetooth Tap to send() . MC9190-G가
Tap to send() 가 Done()

Serial Port Services()

가 Bluetooth

1. Bluetooth 가

2. 가 10m(30ft)
3. **Start() > Settings() > Connections() > Bluetooth > Devices()**
4. **Add new device(가)** . MC9190-G가 Bluetooth
- 5.
6. **Next()**
- ✓ 가 가 PIN **Enter Passcode(**
7. **Next()** 가 Bluetooth 가
8. . **Partnership Settings()**
9. **Serial Port()**
10. **Save()**
11. **COM Ports(COM)**
12. **New Outgoing Port()**
13. **Next()**
14. COM
15. **Finish()**

✓ Microsoft Bluetooth COM

ActiveSync

가 ActiveSync Bluetooth

Bluetooth ActiveSync

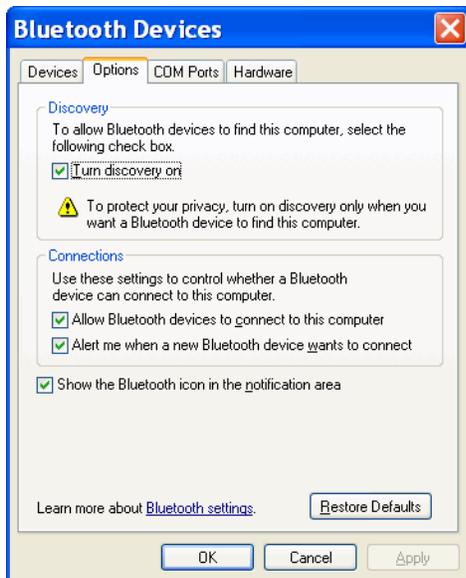
Bluetooth ActiveSync Bluetooth

✓ (Remote NDIS)
 Windows

Windows XP SP2

1. Bluetooth 가
2. 가 10m(32.8ft)
3. **Start() > Settings() > Control Panel()**
4. **Bluetooth Devices(Bluetooth)**

5. Options() Turn discovery on() Allow Bluetooth devices to connect to this computer(Bluetooth 가)



4-2 Bluetooth Devices(Bluetooth)

6. COM Ports(COM) Add(가)
7. Incoming (device initiates the connection)(()) OK()
가 COM
8. OK()
9. Start() > All Programs() > Microsoft ActiveSync
10. File() > Connection Settings()
11. Allow connections to one of the following(가):
가 COM
12. MC9190-G Start() > Programs() > ActiveSync
13. Menu() > Connect via Bluetooth(Bluetooth)
가 . Today() ActiveSync
Enter Passcode() (PIN)
Next()
14. ActiveSync ActiveSync
15. Disconnect()

Windows CE 6.0 Microsoft Bluetooth

Windows CE 6.0

Microsoft Bluetooth

Bluetooth

.5

Bluetooth

MC9190-G

MC9190-G

가

4-26

Bluetooth

Bluetooth

1. Bluetooth

2. Bluetooth 가

3. 가 10m(30ft)

4. Start() > Settings() > Control Panel() > Bluetooth Device Properties(Bluetooth)



4-3 Bluetooth Manager(Bluetooth)

5. Scan Device() . MC9190-G가 가 Bluetooth

6. 가

7. Trusted()

8. Yes()

9. PIN OK()

10. PIN

PIN 가 PIN PIN PIN PIN PIN Next
() PIN PIN PIN Next()

11. 가 가 .
가 PIN (" ") .



PIN

가



Bluetooth
MSDN

Microsoft Bluetooth

Windows CE 6.0

MC9190-G

StoneStreet One Bluetooth

Stone Street One Bluetooth

Bluetooth

Bluetooth 가 MC9190-G (:) Bluetooth Bluetooth
Bluetooth Bluetooth 가 Bluetooth Bluetooth



Bluetooth (Windows CE 6.0)

Bluetooth Bluetooth > Disable Bluetooth(Bluetooth) Bluetooth
Bluetooth가



4-4 Bluetooth

Bluetooth (Windows CE 6.0)

Bluetooth Bluetooth > Enable Bluetooth(Bluetooth) Bluetooth
Bluetooth가



4-5 Bluetooth

Bluetooth (Windows Mobile 6.5)

Bluetooth Start() > Settings() > Connections() > Wireless Manager()
 Bluetooth Bluetooth

Bluetooth (Windows Mobile 6.5)

Bluetooth Start() > Settings() > Connections() > Wireless Manager()
 Bluetooth Bluetooth

BTE Explorer Bluetooth 가 가
 Bluetooth Bluetooth
 View() > Wizard Mode() View() > Explorer Mode()

Bluetooth



Explorer Mode() Bluetooth

View() > Explorer Mode()

“ ” 가
 Windows

- Local Device() -
- Remote Device() - Bluetooth
 - Trusted Devices() - () Bluetooth
 - Untrusted Devices() -
- Favorites() -



Bluetooth 장치 검색

MC9190-G는 연결하지 않고 검색된 장치에서 정보를 수신할 수 있습니다. 그러나 연결된 후에는 Bluetooth 무선 작동 시 MC9190-G와 연결된 장치가 자동으로 정보를 교환합니다. 자세한 정보는 [4-26페이지의 검색된 장치와 동기화](#)를 참조하십시오.

영역 내에서 Bluetooth 장치를 찾는 방법

1. 두 장치 모두에서 Bluetooth를 활성화합니다.
2. 검색할 Bluetooth 장치를 검색 및 연결 가능 모드로 설정합니다.
3. MC9190-G에서 필요한 프로필을 활성화합니다. 자세한 정보는 [4-31페이지의 Profiles\(프로필\) 탭](#)을 참조하십시오.
4. 두 장치의 거리가 10m(30ft) 이내인지 확인합니다.
5. Bluetooth 아이콘을 누르고 **Show BTE Explorer(BTE Explorer 표시)**를 선택합니다.

✓ **참고** 즐겨찾기 연결을 이미 생성한 경우 **Favorite(즐거찾기)** 화면이 표시됩니다. 즐겨찾기 연결을 생성하지 않은 경우 **New Connection Wizard(새 연결 마법사)** 화면이 표시됩니다.

6. **Menu(메뉴) > New Connection(새 연결)**을 누릅니다. **New Connection Wizard(새 연결 마법사)**가 나타납니다.
7. 드롭다운 목록에서 **Explore Services on Remote Device(원격 장치에서 서비스 탐색)** 또는 다른 옵션을 선택하고 **Next(다음)**을 누릅니다.

드롭다운 목록에서는 다음 작업을 이용할 수 있습니다(작업은 구성에 따라 달라질 수 있음).

- Explore Services on Remote Device(원격 장치에서 서비스 탐색)
- Pair with a Remote Device(원격 장치와 동기화)
- Active Sync via Bluetooth(Bluetooth를 통한 액티브 싱크)
- Browse Files on Remote Device(원격 장치에서 파일 찾아보기)
- Connect to Headset(헤드셋에 연결)
- Connect to Internet using Access Point(액세스 포인트를 통해 인터넷에 연결)
- Connect to Internet using Phone/Modem(전화/모뎀을 통해 인터넷에 연결)
- Connect to Personal Area Network(개인 영역 네트워크에 연결)
- Connect to Printer(프린터에 연결)
- Send or Exchange Objects(개체 전송 또는 교환)
- Associate Serial Port(직렬 포트 연결)
- Connect to High-Quality Audio(고품질 오디오에 연결)(Windows CE 6.0 장치에서는 사용할 수 없음)

✓ **참고** 장치 검색 작업을 이전에 수행하지 않은 경우 장치 검색이 자동으로 시작됩니다. 장치 검색을 이전에 수행한 경우 장치 검색 과정을 건너 뛰고 이전에 발견된 장치 목록이 표시됩니다. 새 장치 검색을 시작하려면 창을 길게 누르고 팝업 메뉴에서 **Discover Devices(장치 검색)**를 선택합니다.

8. **BTE Explorer**가 영역 내의 Bluetooth 장치를 검색합니다.
검색된 장치가 **Select Remote Device(원격 장치 선택)** 창에 표시됩니다.



4-6 Select Remote Device()

9. Next() . MC9190-G Bluetooth



4-7

✓ MC9190-G가 가

10. Next() .



4-8 Connection Favorite Options()

11. Favorite Name() Favorite()
Next()

12. Connect() Favorite() 가

가



PIN

MC9190-G

- File Transfer()
- Dial-up Networking()
- OBEX Object Push(OBEX)
- Headset Audio Gateway()
-
- Personal Area Networking()
- A2DP/AVRCP

File Transfer Services()



가

MC9190-G Bluetooth

1. MC9190-G OBEX File Transfer(OBEX)
Profiles()

4-31



New Connection Wizard(Favorite())

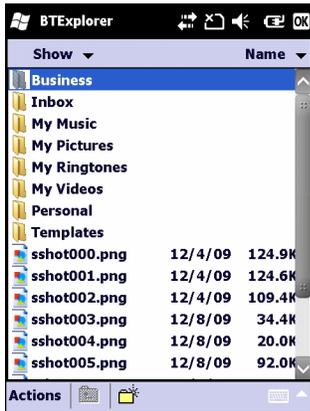
2. Connection Wizard() Bluetooth

3. Next()

4. Next()

5. Next()

6. Connect() 가 가



4-9 File Transfer()

7. 가 .

8. .

- New() - .
- Delete() - .
- Get File(가) - MC9190-G .
- Put File() - MC9190-G .

1. New() > Folder() New() > File() . Create
 New Folder() Create New File()

2. .

3. OK() .

1. Delete() .

2. Delete Remote Device File() Yes() .

가

1. Get(가) .

2. .

3. Save() MC9190-G .

1. Action() > Put()

2.

3. Open() . MC9190-G

Bluetooth LAN (AP)
Internet Explorer

1. MC9190-G 가 . 4-27

2. MC9190-G **Personal Area Networking()**
4-31 Profiles()

3. **Connection Wizard()** Bluetooth AP

✓ New Connection Wizard(Favorite())

4. **Personal Area Network() Network Access()**
Connect() . MC9190-G가

5. Start() > Internet Explorer

6. Enter 가

✓ Network Access()

Dial-Up Networking Services()

ISP 가 MC9190-G Bluetooth Bluetooth

ISP (

Bluetooth

1. Bluetooth 가

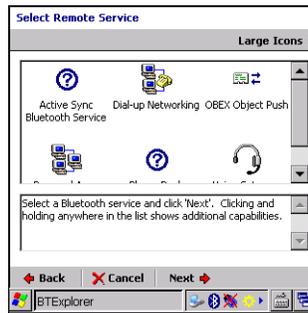
2. MC9190-G **Dial-up Networking()** 4-31
Profiles()

3. **Menu() > New Connection()**

4. **Explore Services on Remote Device()**
Next()

5. BTEplorer가 Bluetooth
 가 Select Remote Device()

6. Bluetooth Next() . MC9190-G Bluetooth



4-10 Select Remote Service()

7. Dial-up Networking Gateway() Next()

8. Favorite Name() Favorite()

9. Next()

10. Connect()

11. OK() . MC9190-G가 Bluetooth
 MC9190-G

12.

13. User name()

14. Password()

15. , Domain()

16. Finish() Connect()

17.

18. Disconnect()

가

가

1. **Select Dial-up Networking Entry()** Add
Entry(가)
2. **Name for the connection()**
3. **Country Code(가)** 가 가
4. **Area Code()**
5. **Phone Number()**
6. **OK()**

Object Exchange Push Services()

(OBEX) Bluetooth

Bluetooth

1. MC9190-G 가 . 4-27
2. MC9190-G **OBEX Object Push(OBEX)** 4-31
Profiles()



New Connection Wizard()

Favorite()

3. **Connection Wizard()** Bluetooth
4. **Next()**
5. **OBEX Object Push(OBEX)** Next()
6. **Next()**
7. **Connect()**
8. **Action()** **Send Contact Information()**, **Swap Contact Information**
() , **Fetch Contact Information(가)** **Send a Picture()**



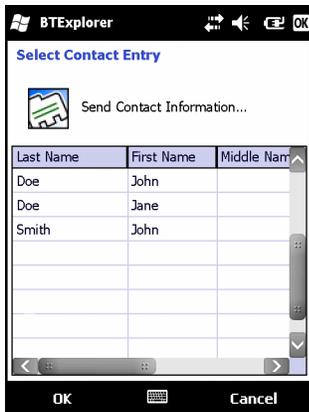
1. **OBEX Object Push(OBEX)** **Connect()**



4-11 OBEX Object Push(OBEX)

2. Action(): Send Contact Information()

3.



4-12 Select Contact Entry()

4.

5. OK()

6.

Send Contact() 가

OK()

7. OK()



1. OBEX Object Push(OBEX) Connect()



4-13 OBEX Object Push(OBEX)

2. Action(): Swap Contact Information()

3. ...

4.

5. OK()

6. OK()
가

7. OK()

가

가



MC9190-G 가

1. OBEX Object Push(OBEX) Connect()



4-14 OBEX Object Push(OBEX)

2. Action(): Fetch Contact information(가) .

3. OK() 가 .

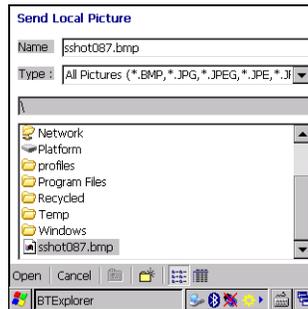
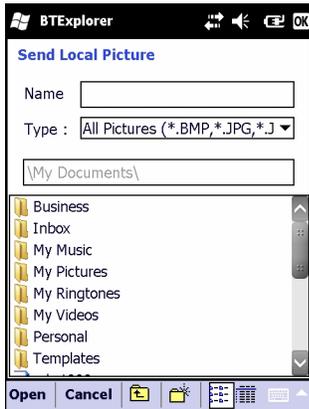
1. OBEX Object Push(OBEX) Connect() .



4-15 OBEX Object Push(OBEX)

2. Action(): Send A Picture() .

3. ... | .



4-16 Send Local Picture()

4. .

5. Open() .

6. Send Picture() 가 OK() .

7. OK() .

Headset Services()

Bluetooth

Bluetooth
가

1. MC9190-G 가 (). 4-27

2. MC9190-G **Headset()** 4-31 Profiles()3. **Connection Wizard()** Bluetooth4. **Next()**5. **Headset()** **Connect()** . MC9190-G가
BluetoothBluetooth Headset Services()
MC9190-G

6. 가

7. MC9190-G

Serial Port Services()

가 Bluetooth

1. **Connection Wizard()** Bluetooth2. **Next()**3. **Local COM Port(COM):** COM4. **Finish()****ActiveSync**Bluetooth 가 COM5, COM9, COM11, COM21, COM22, COM23 COM
Bluetooth 가 Bluetooth

가 ActiveSync Bluetooth



4-17 PC ActiveSync Connection Settings()

ActiveSync



ActiveSync

StoneStreet One Bluetooth Explorer

1. **Connection Wizard()**
ActiveSync via Bluetooth(Bluetooth

PC Bluetooth
ActiveSync)

2. **Next()**

3. **Connect()**



4-18 Remote Service Connect()

4. **Service Type()**

Active Sync

5. **OK()** . MC9190-G가 PC

ActiveSync

6. **Finish()**

7. **Favorite()**

ActiveSync

Disconnect()

Personal Area Network Services()

PAN

. Network Access()

Bluetooth

1. MC9190-G **Personal Area Networking()** 4-31
Profiles()
2. **Connection Wizard()** Bluetooth
3. **Next()**
4. **Next()**
5. **Connect()** . MC9190-G가 Bluetooth

A2DP/AVRCP

A2DP/AVRCP

1. MC9190-G 가 () 4-27
2. Bluetooth 가
3. MC9190-G **A2DP/AVRCP** 4-31 *Profiles()*
4. **Menu() > Settings() > Services()**
5. **Add(가)**
6. **Advanced Audio Distribution Services()**
7. **OK()**
8. **Menu() > New Connection()**
9. **Connect to High-Quality Audio()**
10. **Next()**
11. **Next()**
12. PIN **OK()**
13. **Next()**
14. **Connect()** . MC9190-G가

HID

MC9190-G Bluetooth HID(Human Interface Device)

1. MC9190-G 가 (). 4-27
2. Bluetooth 가
3. MC9190-G **HID Client(HID)** 4-31 Profiles()
4. **Menu() > New Connection()**
5. Explore Services on Remote Device()
6. **Next()**
7. **Next()**
8. **Next()**
9. **Next()**
10. **Connect()** . MC9190-G가 HID

가 PIN MC9190-G Bluetooth Bluetooth PIN
Bluetooth

✓ **New Connection Wizard(Favorite())**

1. **Bluetooth Show BTEplorer(BTEplorer)**
2. **Menu() > New Connection()**
3. **Pair with Remote Device()**
4. **Next()**

✓ 가 **Discover Devices()**

5. **Next()**
6. **PIN Code(PIN) PIN**
7. **OK() Pairing Status()**
8. **Finish() 가 Trusted Devices()**

1. Bluetooth Show BTE Explorer(BTE Explorer)
2. Menu() > Trusted Devices()
3. Delete Link Key()
4. 가 . Yes()

- MC9190-G 가 PIN
1. MC9190-G 가 . 4-27 Bluetooth
가 PIN Code Request(PIN)
 2. PIN Code(PIN): PIN PIN . PIN 1 -
16
 3. Device Name():
 4. OK() MC9190-G

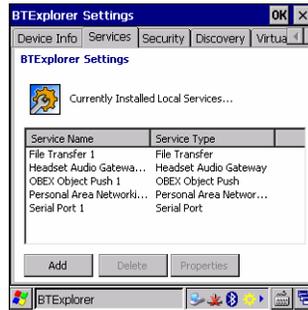
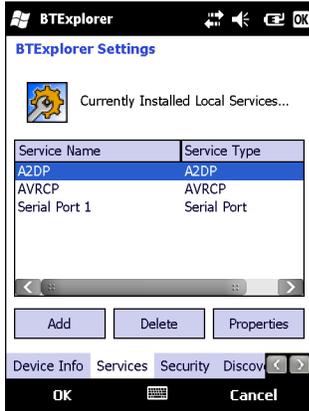
Bluetooth

BTE Explorer Settings(BTE Explorer) BTE Explorer . Menu() >

- Device Info() MC9190-G Bluetooth
- Device Name() - MC9190-G
 - Discoverable Mode(가) - Bluetooth 가 MC9190-G
 - Connectable Mode(가) - Bluetooth 가 MC9190-G

✓ MC9190-G MC9190-G 가

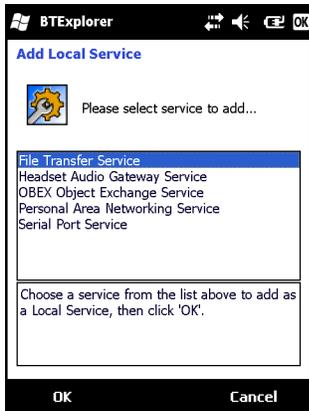
Services() Bluetooth 가



4-19 BTE Explorer Settings(BTE Explorer) - Services()

가

1. Add(가) . Add Local Service(가)



4-20 Add Local Service(가)

2. 가
3. OK() . Edit Local Service()
4. OK() . 가

Bluetooth 가

- Service Name() -
- Service Security() - None(),
Authenticate() Authenticate/Encrypt(/)가
- Local COM Port(COM) - COM
- Local Baud Rate() -
- Local Port Options() -

File Transfer Service()

Bluetooth 가

- Service Name() -
- Service Security() - None(),
Authenticate() Authenticate/Encrypt(/)가
- Root Directory() - Bluetooth 가
- File Permissions() -

Headset Audio Gateway Service()

- Service Name() -

OBEX Object Push Service(OBEX)

OBEX Bluetooth 가 MC9190-G , , ,

- Service Name() -
- Service Security() - None(),
Authenticate() Authenticate/Encrypt(/)가
- Do not allow clients to push objects() - 가 MC9190-G
- Inbox Directory() - Bluetooth 가

Personal Area Networking Service()

Bluetooth

- Service Name() -
- Service Security() - None(),
Authenticate() Authenticate/Encrypt(/)가
- Support Group Ad-Hoc Networking() -

Serial Port Service()

Bluetooth 가 COM

- Service Name() -
- Service Security() - None(),
Authenticate() Authenticate/Encrypt(/)가
- Local COM Port(COM) - COM
- Local Baud Rate() -
- Local Port Options() -

Advanced Audio Distribution Service()

Bluetooth

- Service Name() -

Audio Video Remote Control Service()

Bluetooth

- Service Name() -

Security()

Bluetooth
Authenticate/Encryption(/)

Authenticate()

Services()

Properties()



PIN
Authenticate/Encryption(/)

Authenticate()

- Use PIN Code (Incoming Connection)(PIN ()) - PIN Code(PIN)
PIN
4-2

- PIN - PIN

- Encrypt Link On All Outgoing Connections() - Bluetooth

Discovery()

Discovery()

- Inquiry Length() - MC9190-G가 Bluetooth
- Name Discovery Mode() - Bluetooth 가 Automatic()
Manual()
- Discovered Devices - Delete Devices(-) -
- Discovered Devices - Delete Linked Keys(-) - Bluetooth

Virtual COM Port(가 COM)

BTEplorer가 가 COM COM 가 COM
Apply() Revert()

- COM5:Bluetooth - COM 5
- COM9:Bluetooth - COM 9
- COM11:Bluetooth - COM 11
- COM21:Bluetooth - COM 21
- COM22:Bluetooth - COM 22
- COM23:Bluetooth - COM 23

HID

HID HID HID

- Enable Key Repeat() -
- Delay() - Delay()
Delay()
- Rate() - Rate()
Rate()

Profiles()

Profile() Bluetooth

1. ()
Serial Port()
2. Select All() Deselect All()
3. Apply() Close()

System Parameters()

- Page Timeout() - MC9190-G가
- Link Supervision Timeout() - 가
MC9190-G가 가 MC9190-G가

Miscellaneous()

- **Highlight Connections()** - . Wizard Mode()
) Favorites() None()
) None(), Tree View Only(), List View Only() **Tree and List**
View() .
- **Apply Text Style()** - .
- **Apply Text Color()** - .

5

MC9190-G

5-1 가

5-1 MC9190-G

/USB	CRD9000-1001SR	MC9190-G USB MC9190-G
4-	CHS9000-4001CR	MC9190-G
4-	CRD9000-4001ER	MC9190-G MC9190-G
	FLC9000-1000R	MC9190-G RS232 USB 가
4	SAC9000-4000R	MC9190-G
	21-32665-48R	UBC2000
UBC 4-	UBC2000-I500DR	UBC
12	VCA9001-12R	MC9190-G 12 가
24	VCA9000-24R	MC9190-G 24 가
	KT-2161261-01	
UBC	KT-32665-02R	UBC

5-1 MC9190-G ()

	KT-14000-148R	/USB 240VAC , 12VDC 3.33A . 100 -
	PWRS-14000-148R	
	PWRS-14000-242R	85 - 264VAC , 12VDC 3.33A .
	PWRS-14000-241R	4- 4- . 90 - 264VAC , 12VDC 9A .
DC	50-16002-029R	4-
DC	25-72614-01R	
USB	25-64396-01R	USB /USB .
RS232	25-62164-01R	AC
USB	25-62166-01R	USB .
가 DEX	25-62167-03R	
Paxar	25-62168-01R	MC9100-G Paxar .
O'Neil	25-62169-01R	MC9190-G O'Neil .
Zebra	25-62170-02R	MC9190-G Zebra .
	25-63856-01R	/USB .
	25-63852-01R	/USB .
USB	25-71918-01R	FLC9000-1000R USB .
	25-71917-01R	FLC9000-1000R .
	SG-MC91212112-01R	MC9190-G .
	11-08062-02R	.
	11-67218-04R	MC90XX-G 가 .
	58-40000-007R	

5-1 MC9190-G ()

(CAM)	ADP9000-110R	MC9190-G LS3408ER (5VDC 350mA)
(CAM)	ADP9000-100R	MC9190-G MC9190-G
MSR()	MSR9001-100R	MC9190-G 가
	MDM9000-100R	MC9100-G /USB
MC90XX	KT-61498-01R	4- SAC9000
MC90XX	KT-61499-01R	4- SAC9000
	KT-93176-03R	MC90XX 가 (3)
	KT-81680-50R	MC9190-G 가 (50)
	KT-81680-03R	MC9190-G 가 (3)
	KT-70147-01R	
VXI	50-11300-050R	
	RCH50	
RCH50	25-124387-01R	3 , 2.5mm RCH50 MC9190-G
UBC2000	KT-32665-01R	UBC2000

SD(Secure Device)

SD

. SD



MC9190-G가

. SD
ESD

ESD

MC9190-G

ESD

SD

1. MC9190-G

2.

3. SD

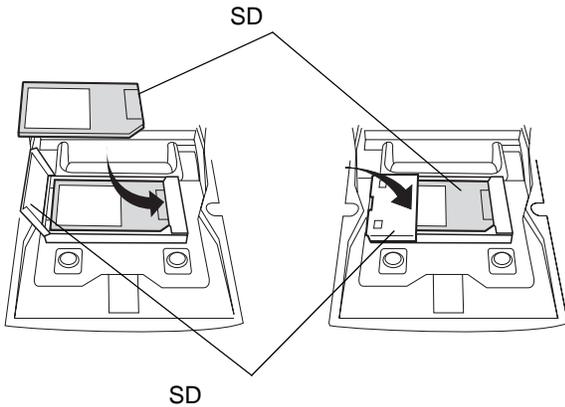
4.

SD

SD

. SD

가



5-1 SD



4in-lbs

가

5.

6.

/USB



6-2

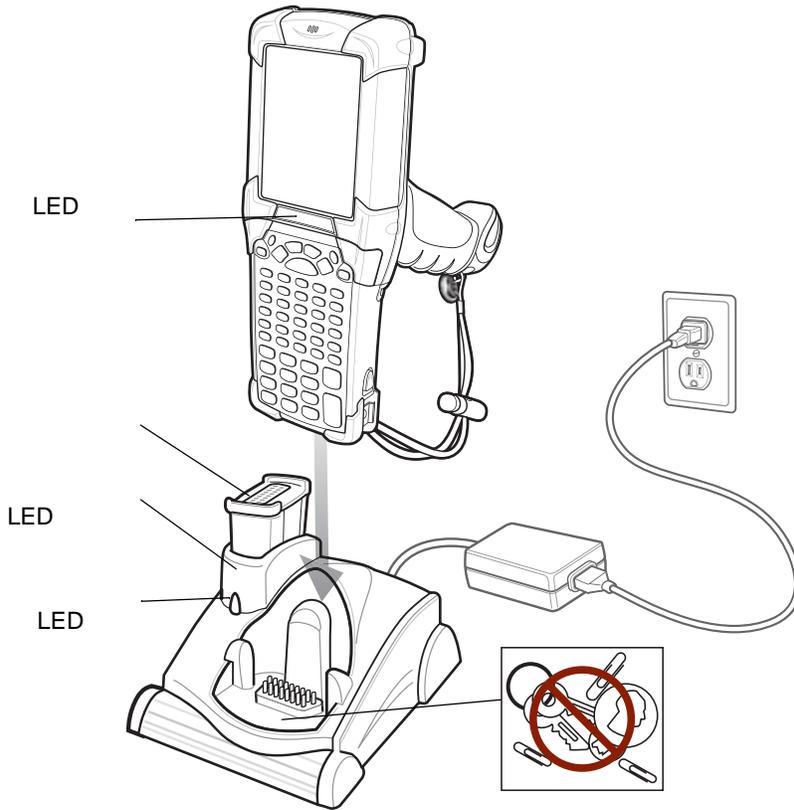
MC9190-G
MC9190-G

가

/USB

(5-2)

USB



5-2

/USB



/USB

- MC9190-G 12VDC
- MC9190-G (:)

USB



Microsoft Mobile 6.5가
)

MC9190-G

ActiveSync

WLAN (Microsoft

- MC9190-G . (.) MC9190-G
- MC9190-G .
- .

/USB MC9190-G

MC9190-G LED LED MC9190-G

1-4 1-1

LED (5-5 5-2)

5-3

4

5-2 LED

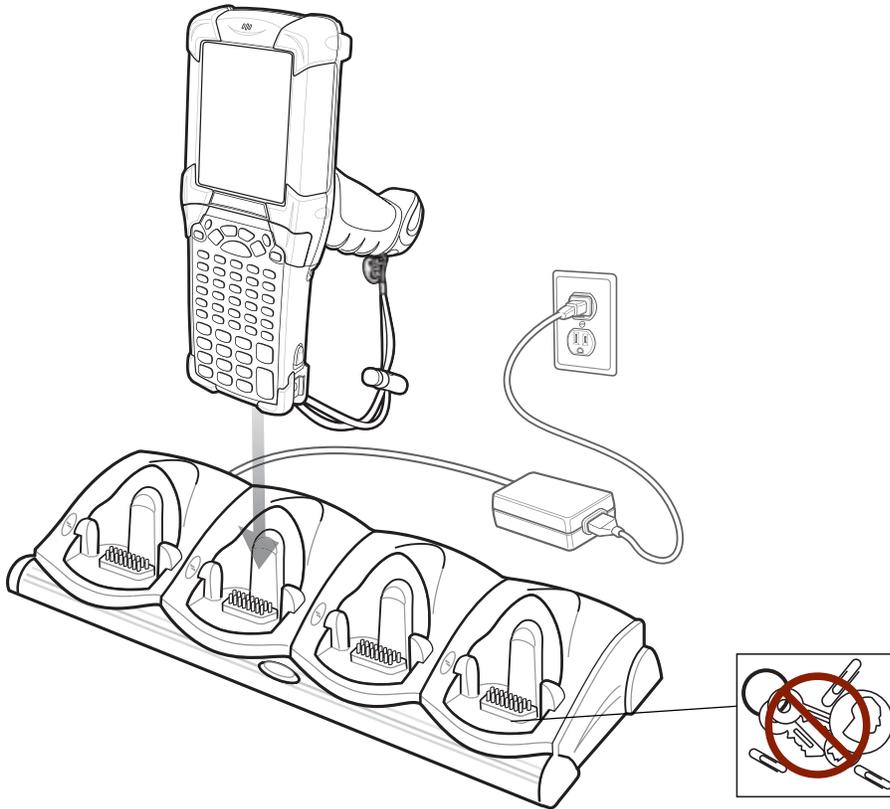
() LED	
	가
	가
	가

4-



6-2

MC9190-G 4-



5-3 4-



4-

- MC9190-G 12VDC
- (10Base-T) MC9190-G(4)
- MC9190-G .(.) MC9190-G
- MC9190-G 4

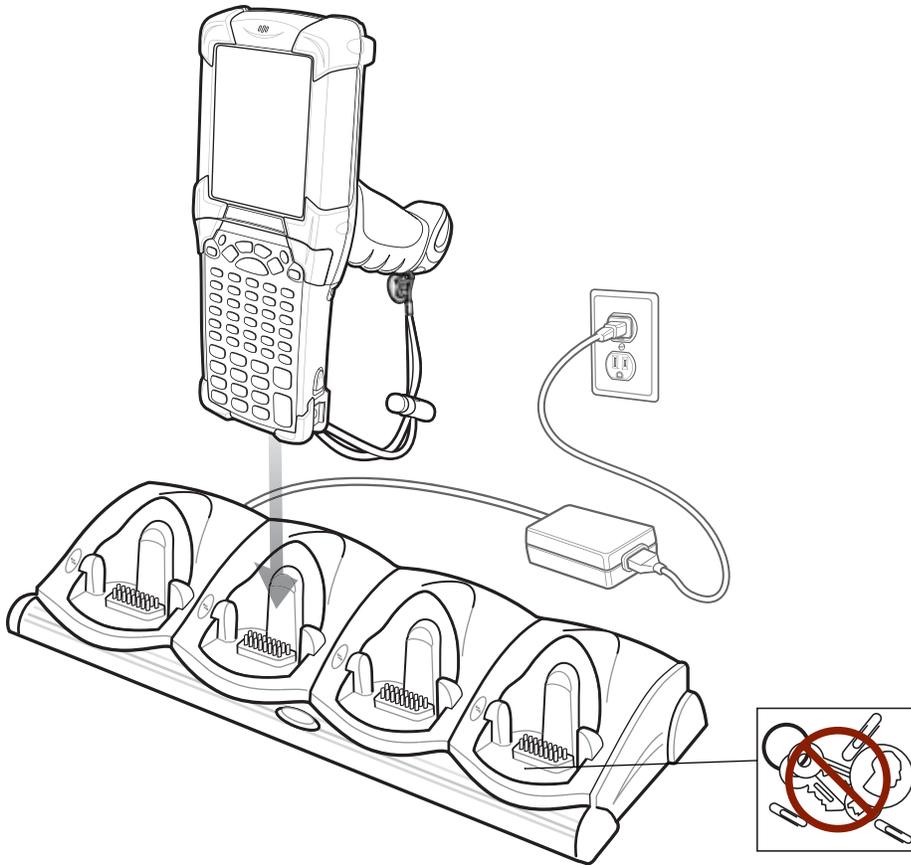
MC9190-G LED LED MC9190-G
 1-4 1-1

4-



6-2

MC9190-G 4-



5-4 4-



4-

- MC9190-G 12VDC
- MC9190-G 4

MC9190-G

LED
1-4

LED
1-1

MC9190-G

4

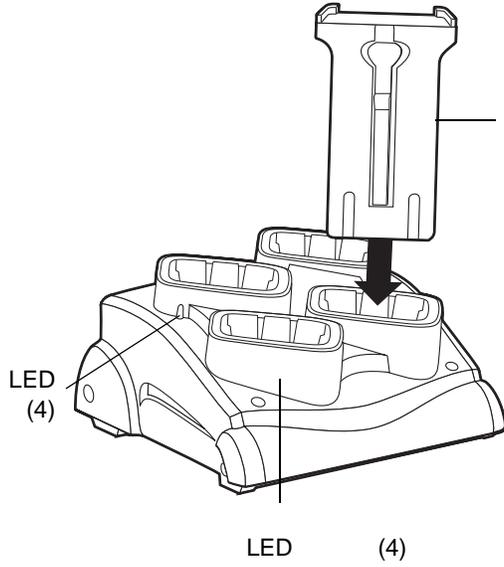
4



6-2

4-

4 MC9190



5-5 4

LED 가
4

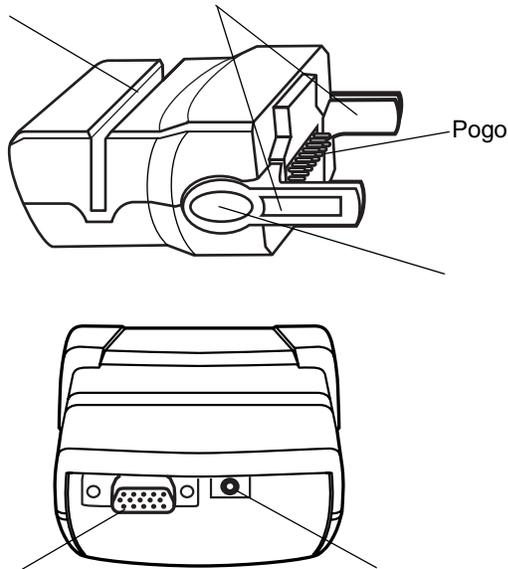
5-2

5-3 LED

LED	
	가
	가
	가

MSR MC9190-G

. MSR MC9190-G



5-6

MSR MC9190-G

- MC9190-G
- MC9190-G가 <http://supportcentral.motorola.com> (MSR .)



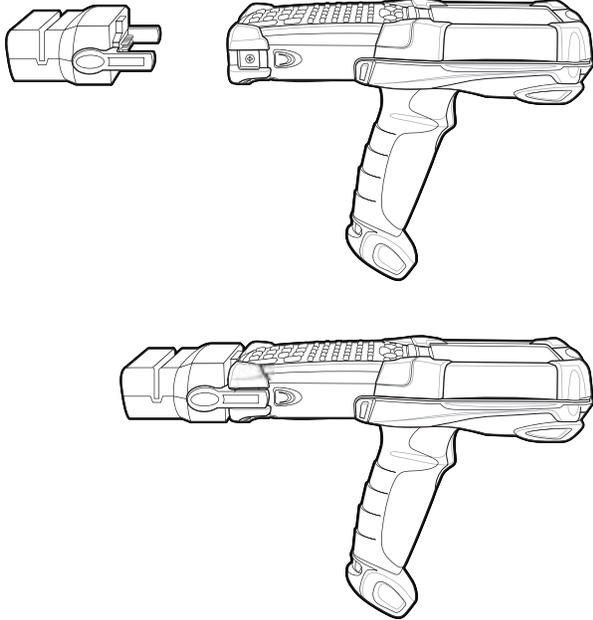
Windows Mobile 6.5가 MC9190-G가 MSR
 WLAN ()
 Microsoft

ActiveSync

-
- USB USB USB
- MC9190-G

MSR

가 MC9190-G



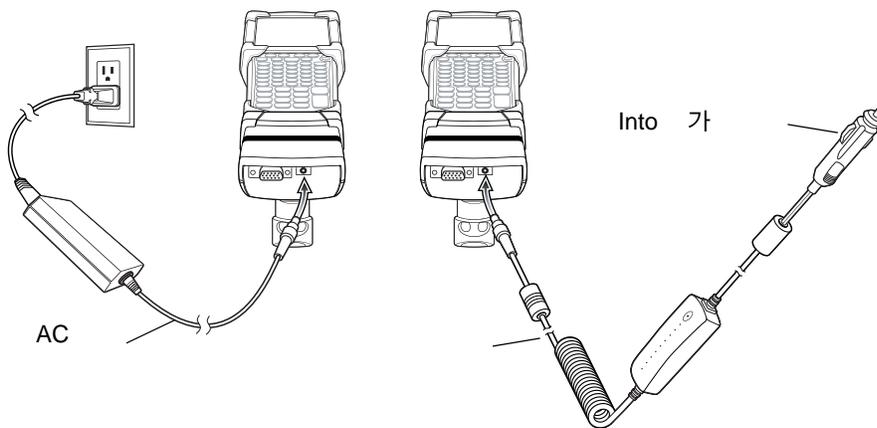
5-7 MSR

MSR

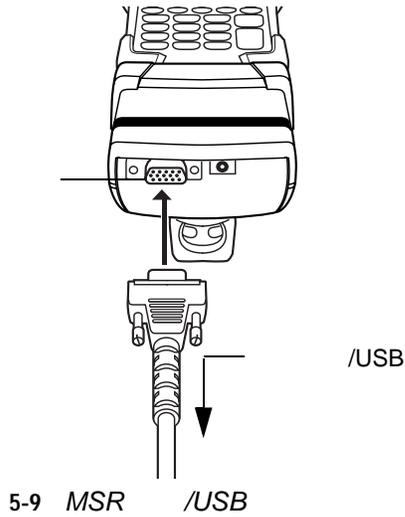
MC9190-G MSR



MC9190-G MSR



5-8 MSR



MSR MC9190-G MSR (5-11 5-8)
 MSR MC9190-G . MC9190-G



0°C ~ +40°C(32° ~ 104° F)

MC9190-G LED LED MC9190-G
 1-4 1-1

MC9190-G가 4

/USB

MSR /USB
 MSR /USB MSR

MSR

MSR9000 MSR MSR



MSR

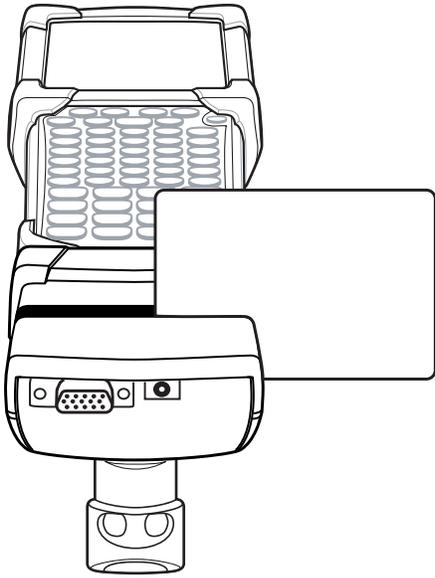
MSR

1. MSR MC9190-G (5-11).
2. MC9190-G
3. MSR

4.

가 MC9190-G

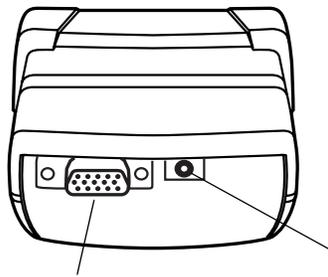
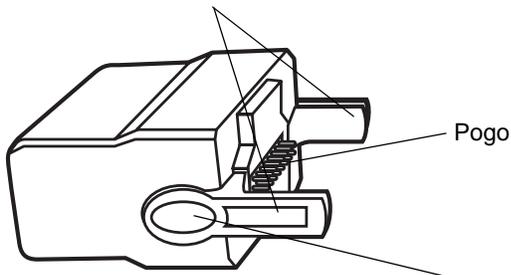
MSR



5-10

CAM MC9190-G

.CAM MC9190-G



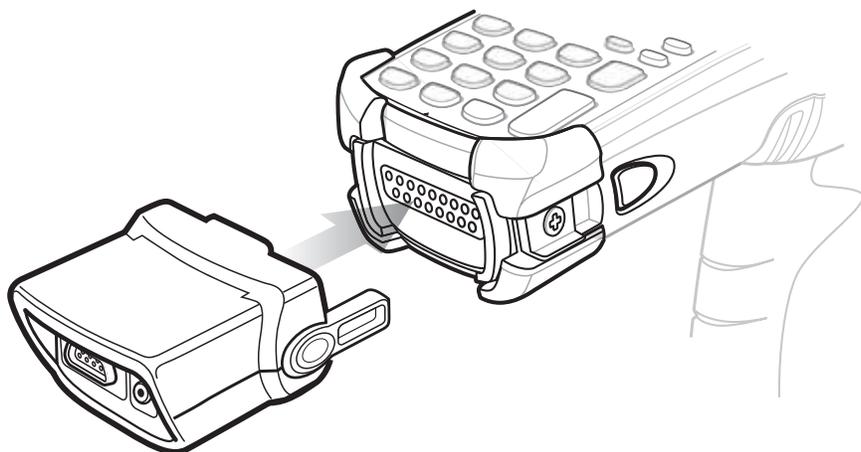
5-11

CAM MC9190-G

- MC9190-G
- ✓ Windows Mobile 6.5가 WLAN (Microsoft) MC9190-G가 CAM ActiveSync
-
- USB USB USB
- MC9190-G

CAM

가 MC9190-G



5-12 CAM

CAM

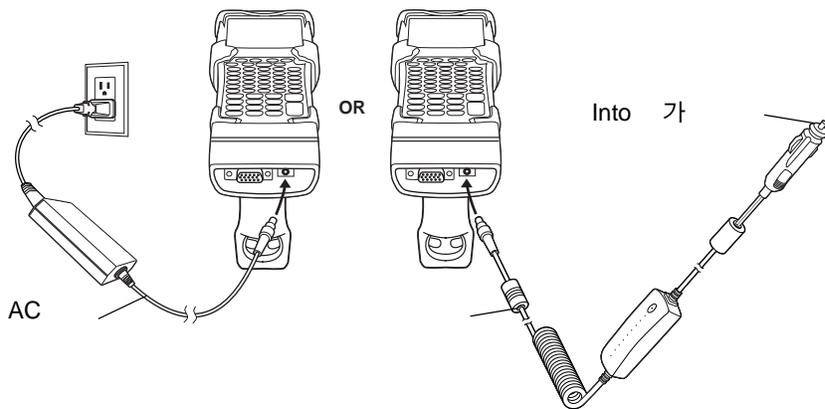
MC9190-G

CAM

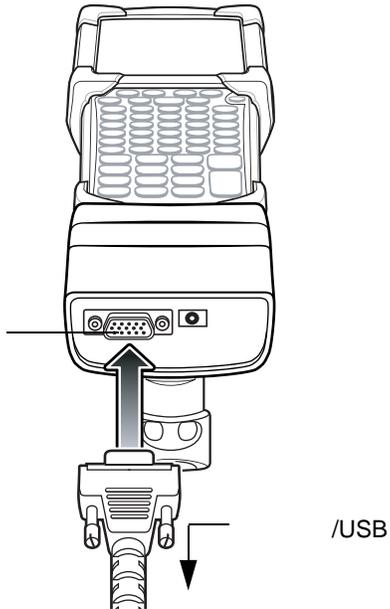


MC9190-G

CAM



5-13 CAM



5-14 CAM

CAM MC9190-G CAM (5-15 5-13)
 CAM MC9190-G . MC9190-G



0°C ~ +40°C(32° ~ 104° F)

MC9190-G LED LED MC9190-G
 1-4 1-1

MC9190-G가 4

/USB

CAM /USB
 CAM /USB /USB CAM

(UBC)



6-2

UBC

UBC

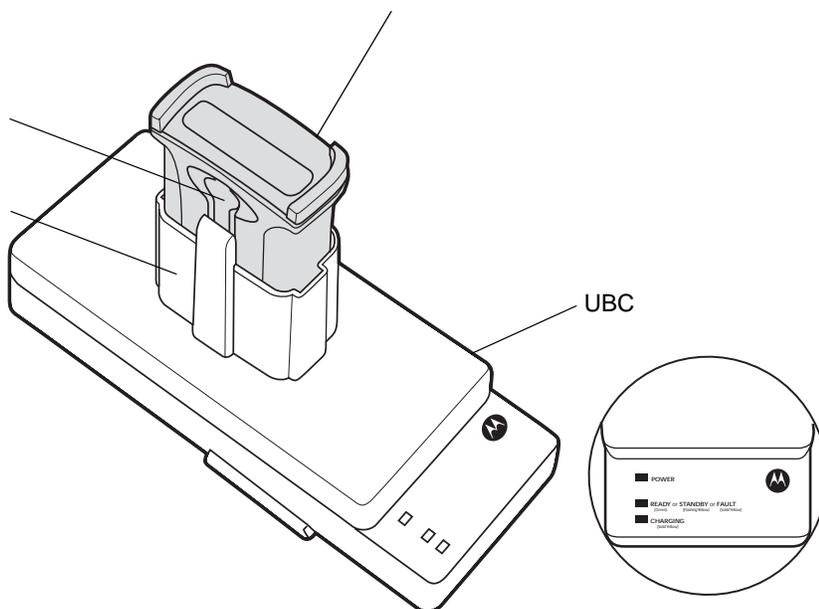
4

(: 70-33188-xx)

. UBC2000

4-

UBC2000
UBC 2000



5-15 UBC

가 ()

UBC

가

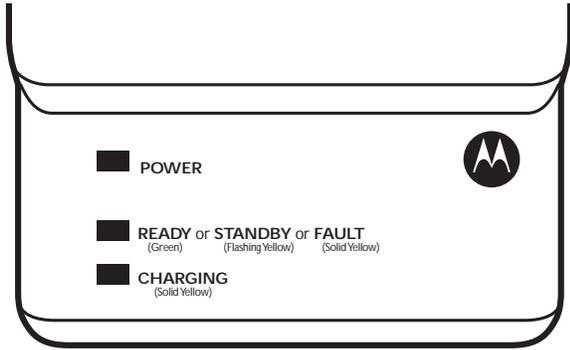
UBC

UBC

LED(5-16)

5-2

3

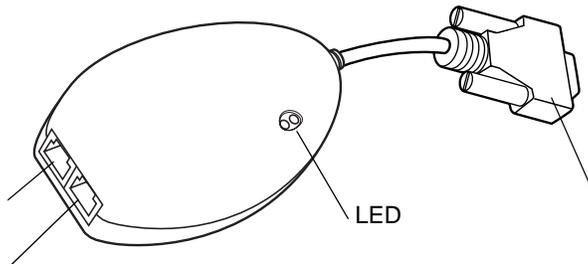


5-16 UBC LED

5-4 UBC LED

LED		
POWER		UBC
READY		
STANDBY		가 가
FAULT		. MC9190-G/ 가

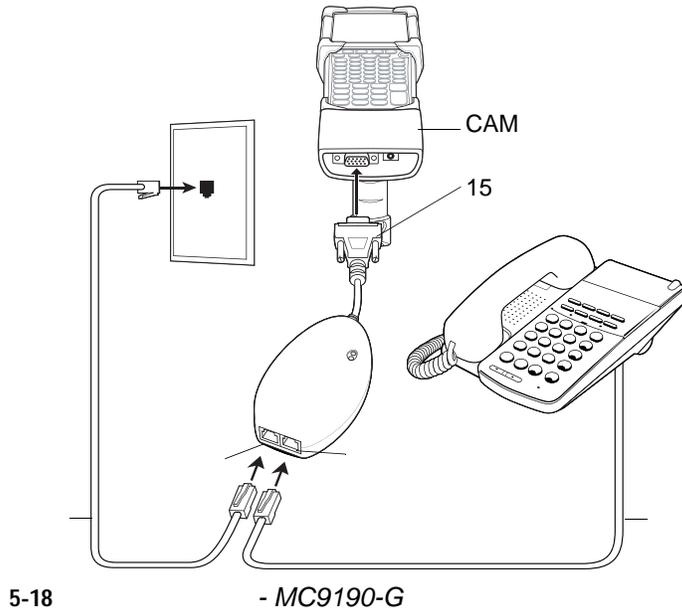
MDM9000



5-17

- MC9190-G
- MC9190-G
- , IP DNS/WINS
 - ID
 - RJ11 RJ12
 - 가 가
 - MC9190-G
 - (CAM), Motorola : ADP9000-100(5-14)
 - (), Motorola : 25-63856-01
 - Microsoft ActiveSync
 - MC9190-G

MC9190-G



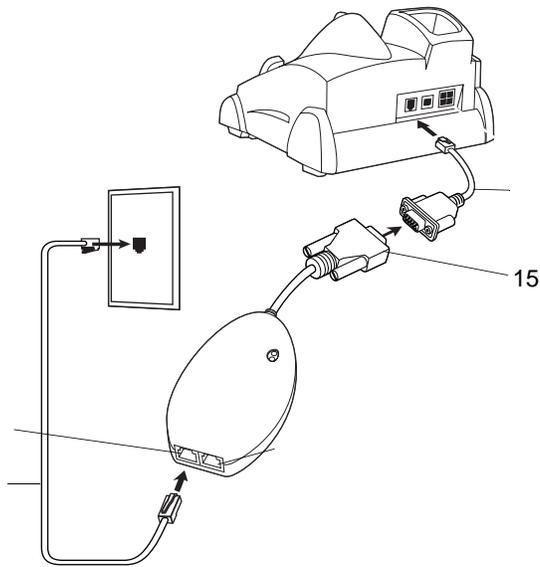
15

VGA

가

가

/USB



5-19

/USB



15

VGA



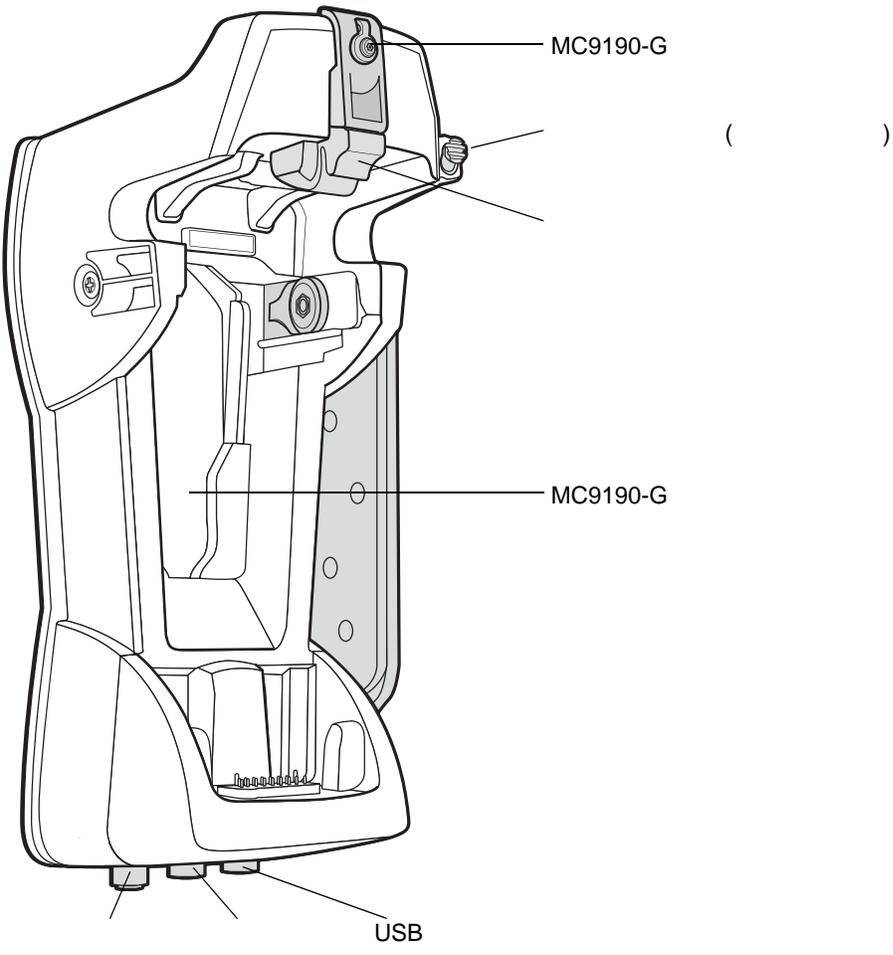
5-5 LED

LED	
	MC9190-G
	MC9190-G
	MC9190-G가

- MC9190-G
- MC9190-G
- MC9190-G
- MC9190-G (: /) 1 1
USB
- (500mA, 5V). 2

- MC9190-G
- MC9190-G (, /) (265mA, 5V)
USB 가

- (50-14000-252R) — 12V 24V
- (50-14000-251R) — 36V, 48V 60V



5-20

MC9190-G

MC9190-G

MC9190-G

MC9190-G



! MC9190-G

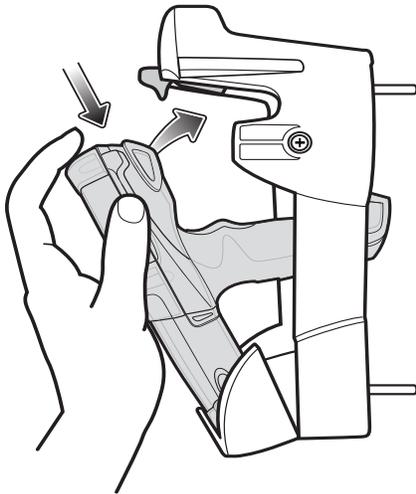
가

MC9190-G

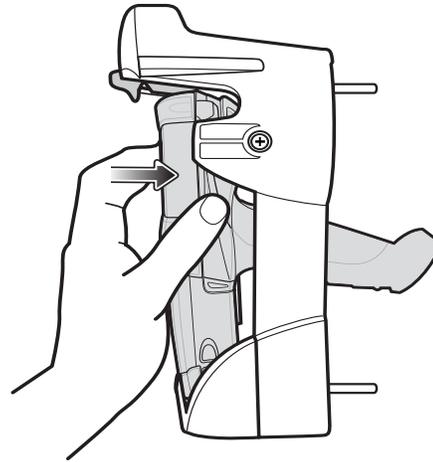
MC9190-G

MC9190-G

MC9190-G



5-21 MC9190-G



MC9190-G

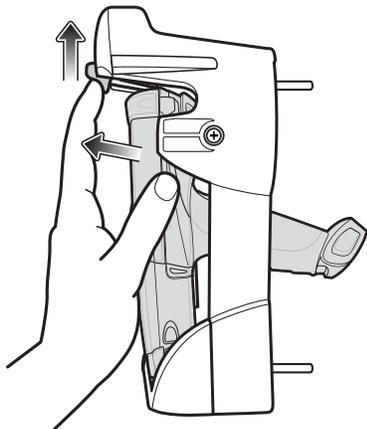
가

MC9190-G

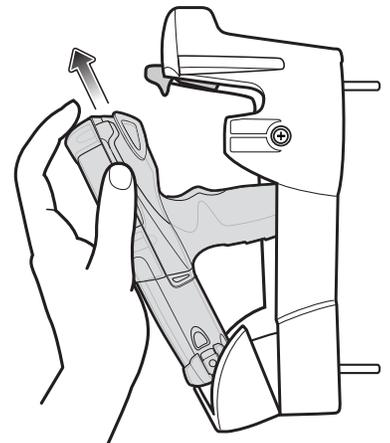
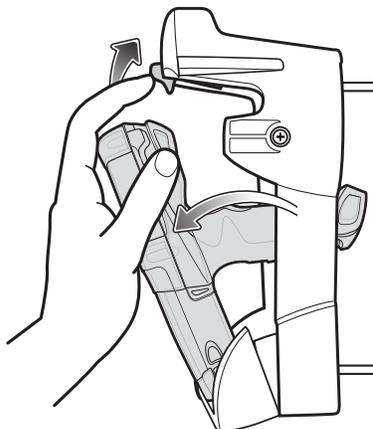
가

가

MC9190-G

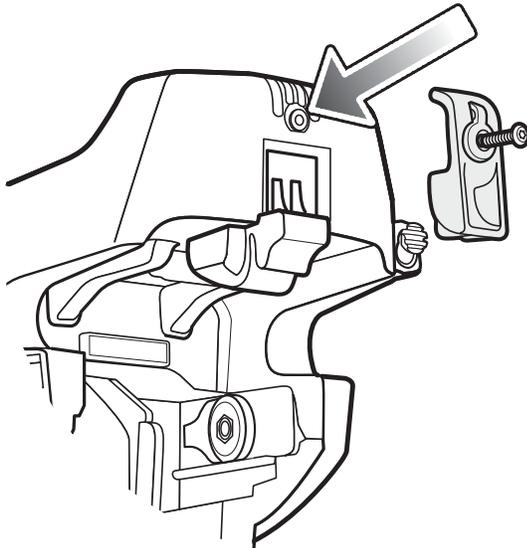


5-22 MC9190-G



MC9190-G가

MC9190-G



5-23

MC9190-G (: /)
 / USB (USB)

✓ USB MC9190-G USB

MC9190-G

1. Windows Mobile , Start() > Settings() > System () > USBConfig(USB)
 . Windows CE , Start() > Settings() > Control Panel() >
USBConfig(USB)
2. **USB Host Mode(USB)**
3. **OK()**

1. MC9190-G

2. MC9190-G



MC9190-G

MC9190-G

- LS3408-FZ20005R(USB 25-71918-01R 25-71917-02R)
- LS3408-ER20005R(USB 25-71918-01R 25-71917-02R)
- FLB3478-C0007WR LS3478 (USB 25-71918-01R
25-71917-02R)
- FLB3508-C007WR LS3578 *Bluetooth*[®] (USB 25-71918-01R
25-71917-02R)
- FLB3578-C007WR LS3578 *Bluetooth*[®] (USB 25-71918-01R
25-71917-02R)
- LS3203(25-71916-01R)
- LS42XX(USB 25-71918-01R 25-71917-02R)

6

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MC9190-G

MC9190-G

MC9190-G

MC9190-G

- MC9190-G
- 가 , MC9190-G
- MC9190-G . MC9190-G
- MC9190-G . MC9190-G
- MC9190-G . MC9190-G
- MC9190-G . MC9190-G

-
- 가 , .
 - , .
 - , .
 - 0°C - +40°C(+32°F - +104°F) .
 - , Motorola , ' , '
- USB , USB-IF 가 USB-IF
 - , , , , .
 - 가 .
 - .
 - .
 - 가 가 .
 - .
 - .
 - 가 가 .
 - Motorola .
-



Motorola



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가

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100%

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MC9190-G

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, , , , , , , TB-lysoform .

MC9190-G

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MC9190-G

가 가

. MC9190-G

, MC9190-G

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- 가

MC9190-G

가

가

가

가

(:)

1. MC9190-G

2.

3. MC9190-G

4. 3

5.

6. 4-6

7. 1.5cm /



8. 가

1. DC

2.

3.

4.

5. 1.5cm /



6.

7. 가

8. 10-30

가 가

가 가

MC9190-G

6-1 MC9190-G

MC9190-G	가	MC9190-G
	가	가 . 1-2
		MC9190-G가 . 2-22 MC9190-G
가		MC9190-G가 . 2-22 MC9190-G
	MC9190-G가	MC9190-G 4
가	MC9190-G가	
가	가 MC9190-G	MC9190-G
	가	MC9190-G
		Microsoft ActiveSync 4.5
가		

6-1 MC9190-G ()

MC9190-G가	MC9190-G가	MC9190-G MC9190-G , 30 , 1, 2, 3, 4, 5 6 MC9190-G 1, 2, 3, 5, 10, 15 30 Windows Mobile 6.5 , Start() > Settings() > System() > Power() > Advanced() Windows CE 6.0 , Start() > Settings() > Control Panel() > Power() > Advanced()
	가	(1-2)
	LCD	
		(2-22 MC9190-G)
MC9190-G 가 가	MC9190-G	
	MC9190-G	MC9190-G 가 Windows Mobile 6.5 , Start() > Settings() > System() > Remove Programs() Windows CE 6.0 , Start() > Settings() > Control Panel() > Remove Programs() Remove()
MC9190-G		
	가	가
	가	MC9190-G가
	MC9190-G가	MC9190-G가
	MC9190-G가	
		MC9190-G : 가 가 가 Motorola

6-1 MC9190-G ()

ActiveSync MC9190-G WLAN	Microsoft	ActiveSync WLAN
MC9190-G가 Bluetooth	Bluetooth	Bluetooth 10m 가
	Bluetooth 가	Bluetooth
	Bluetooth 가 가	Bluetooth 가
MC9190-G가	MC9190-G	

4

6-2 4-

가	가 AC	가 가 가
		4
	가	가

단수 슬롯형 직렬/USB 크래들

표 6-3 단일 슬롯 직렬/USB 크래들 문제 해결

증상	예상 원인	해결 방법
MC9190-G 또는 보조 배터리를 삽입할 때 LED에 불이 들어오지 않습니다.	크래들에 전원이 공급되지 않음	전원 케이블이 크래들과 AC 전원에 모두 확실히 연결되어 있는지 확인합니다.
	MC9190-G가 크래들에 제대로 장착되지 않음	MC9190-G를 빼낸 후 크래들에 올바르게 다시 삽입합니다.
	보조 배터리가 크래들에 제대로 장착되지 않음	보조 배터리를 빼낸 후 충전 슬롯에 올바르게 다시 삽입합니다.
MC9190-G 배터리가 충전되지 않습니다.	MC9190-G가 크래들에서 빠졌거나 크래들의 AC 전원 연결이 너무 일찍 끊어짐	크래들에 전원이 공급되고 있는지 확인합니다. MC9190-G가 제대로 장착되었는지 확인합니다. 기본 배터리가 충전되고 있는지 확인합니다. MC9190-G 배터리가 완전히 방전되면 배터리를 완충하는 데 최대 4시간이 소요될 수 있습니다(MC9190-G가 꺼진 경우이며, MC9190-G가 작동 중에는 시간이 더 걸림). Windows Mobile 6.5 장치의 경우, Start(시작) > Settings(설정) > System(시스템) > Power(전원) 를 눌러 배터리 상태를 확인합니다. Windows CE 6.0 장치의 경우, Start(시작) > Settings(설정) > Control Panel(제어판) > Power(전원) 를 눌러 배터리 상태를 확인합니다.
	배터리에 결함이 있음	다른 배터리를 사용하여 제대로 충전되는지 확인해 봅니다. 제대로 충전되면, 고장 난 배터리를 교체합니다.
	MC9190-G가 크래들에 제대로 장착되지 않음	MC9190-G를 빼낸 후 크래들에 올바르게 다시 삽입합니다.
보조 배터리가 충전되지 않습니다.	배터리가 충전 슬롯에 제대로 장착되지 않음	보조 배터리를 빼낸 후 크래들에 올바르게 다시 삽입합니다.
	배터리가 잘못 삽입됨	접촉부를 아래 방향과 크래들 뒤쪽을 향하게 합니다.
	배터리에 결함이 있음	다른 배터리를 사용하여 제대로 충전되는지 확인해 봅니다. 제대로 충전되면, 고장 난 배터리를 교체합니다.
데이터 통신 중 데이터가 전송되지 않거나 데이터가 모두 전송되지 않았습니다.	MC9190-G가 통신 도중 크래들에서 분리됨	MC9190-G를 크래들에 다시 꽂고 데이터를 다시 전송합니다.
	케이블 구성이 잘못됨	시스템 관리자에게 문의하십시오.
	통신 소프트웨어가 잘못 설치되었거나 구성됨	MC9190-G 통합 설명서에 따라 설치를 수행합니다. Microsoft ActiveSync 4.5 이상이 호스트 컴퓨터에 설치되었는지 확인합니다.

케이블 어댑터 모듈

표 6-4 케이블 어댑터 모듈의 문제 해결

증상	예상 원인	해결 방법
MC9190-G 배터리가 충전되지 않습니다	MC9190-G가 CAM에서 빠졌거나 CAM의 AC 전원 연결이 너무 일찍 끊어짐	CAM에 전원이 공급되고 있는지 확인합니다. MC9190-G가 제대로 연결되었는지 확인합니다. 기본 배터리가 충전되고 있는지 확인합니다. MC9190-G 배터리가 완전히 방전되면 배터리를 완충하는 데 최대 4시간이 소요될 수 있습니다(MC9190-G가 꺼진 경우이며, MC9190-G가 작동 중에는 시간이 더 걸림). Windows Mobile 6.5 장치의 경우, Start(시작) > Settings(설정) > System(시스템) > Power(전원) 를 눌러 배터리 상태를 확인합니다. Windows CE 6.0 장치의 경우, Start(시작) > Settings(설정) > Control Panel(제어판) > Power(전원) 를 눌러 배터리 상태를 확인합니다.
	배터리에 결함이 있음	다른 배터리를 사용하여 제대로 충전되는지 확인해 봅니다. 제대로 충전되면, 고장 난 배터리를 교체합니다.
	MC9190-G가 CAM에 제대로 연결되지 않음	CAM을 분리했다가 MC9190-G에 단단히 다시 연결합니다.
데이터 통신 중 데이터가 전송되지 않거나 데이터가 모두 전송되지 않았습니다.	MC9190-G가 통신 도중 CAM에서 분리됨	MC9190-G를 분리했다가 CAM에 다시 연결하고 데이터를 다시 전송합니다.
	케이블 구성이 잘못됨	시스템 관리자에게 문의하십시오.
	통신 소프트웨어가 잘못 설치되었거나 구성됨	MC9190-G 통합 설명서 에 따라 설치를 수행합니다. Microsoft ActiveSync 4.5 이상이 호스트 컴퓨터에 설치되었는지 확인합니다.

6-5

MSR	MC9190-G가 MSR	MC9190-G 가 MSR
	MSR	MSR MC9190-G
MC9190-G 가	MC9190-G가 MSR MSR AC	MSR . MC9190-G가 가 MC9190-G 가 (MC9190-G가 , MC9190-G가) . Windows Mobile 6.5 , Start() > Settings() > System() > Power() Windows CE 6.0 , Start() > Settings() > Control Panel() > Power()
	MC9190-G가 MSR	MSR 가 MC9190-G
가 가	MC9190-G가 MSR	MC9190-G 가 MSR
	가	MC9190-G

A

MC9190-G

MC9190-G

MC9190-G

A-1

	9.1in. L x 3.6 in. W x 7.6in. 23.1cm L x 9.1cm W x 19.3cm H
	709g(25oz.)
	28 , 43 , 53 , (5250, 3270, VT)
	3.7 Windows Mobile: VGA; Windows CE: QVGA/VGA 가 .
	, 7.2V 2200mAh , 15.8W/
CPU	Marvell PXA320 @ 806MHz
	Microsoft Windows CE 6.0 Windows Mobile 6.5 Classic
	256MB RAM/1GB
	SD (32GB)
	PSDK EMDK(Motorola Support Central 가)

A-1 ()

	SE960: 1D SE1524-ER: 1D - : 45ft./13.72m SE4600: 1D/2D - 8in./20.32cm 30ft./9.14m 1D 2D 가 SE4500-SR: 1D/2D - 1D 2D 가 SE4500-DL: 1D/2D DL - 1D 2D PDF 가 SE4500-HD: 1D/2D DPM (dot peening), (laser etching), (molding), (stamping) (casting) , , DPM 가
	-20°C ~ 50°C(-4°F ~ 122°F)
	-40°C ~ 70°C(-40°F ~ 158°F)
	0°C ~ +40°C(32°F ~ 104°F)
	5% ~ 95%()
	1.8m/6ft. , MIL-STD 810G
	, 1m 2,000 (4,000) IEC
	IP64(,) IEC
ESD	+/-15kVdc +/-8kVdc +/-8kVDC

A-1 ()

WLAN	
WLAN	802.11 a/b/g
	100mW 가)
	802.11a: 54Mb/ 802.11b: 11Mb/ 802.11g: 54Mb/
	가 : 802.11a - 5GHz, 802.11b – 2.4GHz, 802.11g – 2.4GHz
	가 : 802.11a - 5GHz, 802.11b – 2.4GHz, 802.11g – 2.4GHz
WLAN	WPA2(), 802.1x; EAP-TLS; TTLS(CHAP, MS-CHAP, MS-CHAPv2, PAP MD5); PEAP(TLS, MSCHAPv2, EAP-GTC); LEAP, EAP-FAST(TLS, MS-CHAPv2, EAP-GTC), WPA2/AES, CCX v4, FIPS 140-2 IPv6
WPAN	
Bluetooth	Bluetooth 2.1 EDR
	/USB, 4 , 4 가 ,
	Motorola
	4 , 4
	Motorola CAC , , , ,

A-2

	Code 39 Codabar Interleaved 2/5 MSI UPC/EAN Webcode RSS Expanded	Code 128 Code 11 EAN-8 UPCA Coupon Code RSS-14 Chinese 2/5	Code 93 Discrete 2/5 EAN-13 UPCE Trioptic 39 RSS Limited
	Code 39 Codabar Discrete 2/5 EAN-13 UPC/EAN Webcode Composite C Macro PDF-417 RSS Expanded Data Matrix US Planet Canadian 4-state Chinese 2/5 microQR	Code 128 Code 11 MSI UPCA Coupon Code TLC39 Micro PDF-417 (Macro) Micro PDF-417 RSS Limited Maxi Code UK 4-state Japanese 4-state USPS 4-state(US4CB)	Code 93 Interleaved 2 of 5 EAN-8 UPCE Trioptic 39 Composite AB PDF-417 QR Code RSS-14 US Postnet Australian 4-state Dutch Kix Aztec

B Voice Quality Manager

VQM(Voice Quality Manager) MC9190-G . VQM VoWiFi(Voice over WiFi)
가 . VQM 가 AEC() VoWiFi
Audio Modality VoWiFi

- VQM :
- 가
 - VoWiFi AEC
 - VoWiFi WAN VoWifi
 - 가
 - IP
 - VQM 가 ()
 - VQM
 - NDIS 5.1

VQM

VQM

1. Start() > Programs() > File Explorer()
2. Windows
3. VQMAudioNotify
4. VQM

MC75A 7가 VQM



B-1 VQM

VQM 가 (VQM)
VQM

B-1 VQM

	,
	,
	, (VoWiFi 가)
	(Bluetooth)
	
	Bluetooth (Bluetooth
	Bluetooth

가 가 VQM
 VQM VQM 가

B-2

VQM	VQM
Bluetooth	Bluetooth

가 , VQM 가
 Bluetooth BTEplorer MC9190-G
 가 Bluetooth
 MC9190-G Bluetooth VQM Bluetooth BTEplorer
 MC9190-G VQM 가 , 가
 VQM 가
 VQM Start() > File Manager() Windows
 VQMAudioNotify.exe
 가 가



B-2 VQM Audio Control(VQM)

IP 가 , 가
가 WMM(WiFi Multi-media) . WMM ,
WMM 가 DSCP(Differentiated Services Code-Point) IP)
가 DSCP (WMM)
VQM VoWiFi(Voice over WiFi) 가 , DSCP 가
(.) WMM 가
가
(" "). " "
AEC(Acoustic Echo Canceller)가 가
• AEC(Acoustic Echo Canceller) AEC 가
• 가 AEC(Acoustic Echo Canceller)
VQM
VQM VoWiFi AEC(Acoustic Echo Canceller) , 가 AEC
. AEC Bluetooth
가 가 , AEC가 가 Bluetooth 가
. AEC AEC Bluetooth 가
WWAN 가 AEC가
• VQM VPN
• Avaya

VQM

VQM

C

MC9190-G

가

가

- 28
- 43
- 53
- 3270
- 5250
- VT

MC9190-G

28

28

()

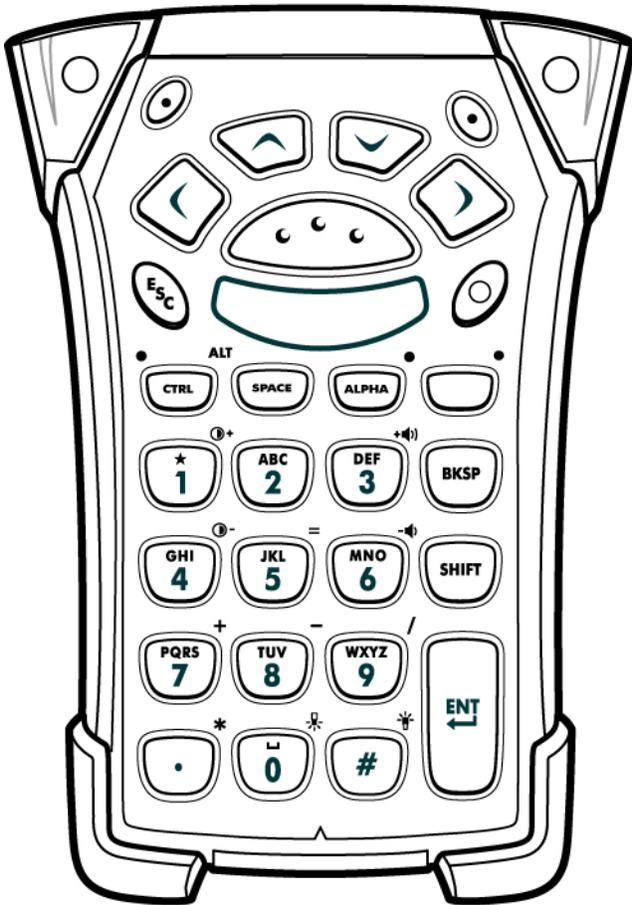
MC9190-G

C-3

C-1 ,

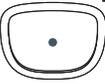
C-20

C-7



C-1 28

C-1 28 ()

<p>CTRL(Control)</p> 	<p>CTRL 가 CTRL LED가 WinCE Windows Mobile 6.5 ALT CTRL ALT WinCE Windows Mobile 6.5 ALT</p>
<p>ALPHA</p> 	<p>ALPHA 가 ALPHA WinCE Windows Mobile 6.5 가 ALPHA</p>
<p>()</p> 	<p>가 Windows Mobile 6.5 가</p>
<p>SHIFT</p> 	<p>SHIFT 가 SHIFT Windows Mobile 6.5 가</p>
<p>ENT(Enter)</p> 	<p>Windows Mobile 6.5: ENT(Enter) 가 Microsoft Word Notes XML Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD" Para name = "SpecialEnterTabKey" value = 0 XML MC9190-G</p>
<p>/ *</p> 	<p>가 SHIFT</p>
<p>0</p> 	<p>0</p>
<p>#</p> 	<p>/</p>

43

43

ALPHA (,)
MC9190-G

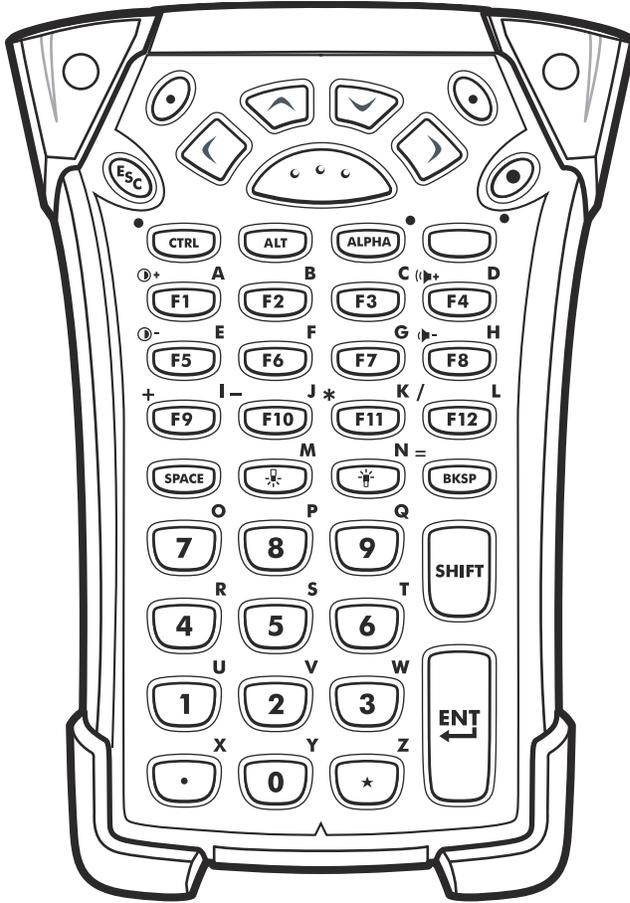
()

C-2

C-20

C-7

C-6

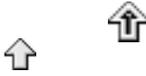


C-2 43

C-2 43

	<p>MC9190-G</p> <p style="text-align: right;">2-22 MC9190-G</p>
	<p>(APP)</p> <p>XML / APP</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Parm name = "GreenKeyOverride" value = "xx" xx APP</p> <p>Parm name = "RedKeyOverride" value = "xx" xx APP</p> <p>XML MC9190-G</p> <p>APP</p>
	<p>가 /</p>
	<p>가/</p>
	<p>가/</p>
<p>ESC</p> 	
<p>SPACE/BKSP</p> 	
	<p>ALPHA</p>
<p>ALPHA/</p> 	<p>ALPHA</p> <p>Windows Mobile 6.5 F6 F7</p> <p>Shell.exe가</p> <p>GXOpenInput() GXCloseInput()</p> <p>F6 F7</p> <p>: APP1 GXCloseInput() Calc.exe</p> <p>가</p>

C-2 43 ()

	LED가 가 () 가
CTRL(Control) 	CTRL 가 CTRL LED가 
ALT 	WinCE ALT Windows Mobile 6.5 
ALPHA() 	WinCE Num-Lock() ALPHA Num-Lock LED가 ALPHA ALPHA ALPHA Windows Mobile 6.5 가
SHIFT 	SHIFT SHIFT 
	X , ALPHA 가
	ALPHA 가 Z
Enter 	Windows Mobile 6.5: ENT(Enter) 가 Microsoft Word Notes XML Characteristic type ="HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD" Para name = "SpecialEnterTabKey" value = 0 XML MC9190-G

53

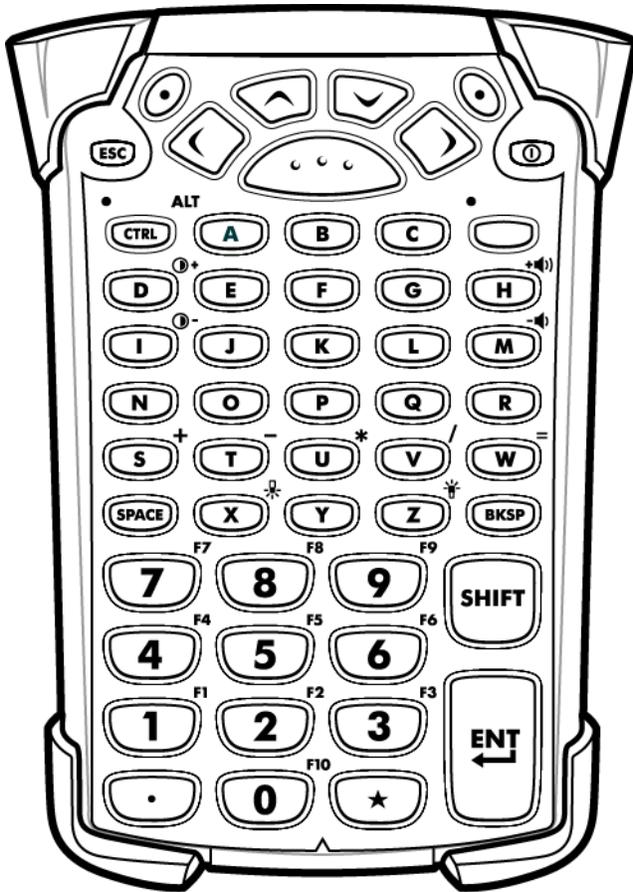
53

가 가

. 53
()
MC9190-G
C-20 C-7

C-9

C-3

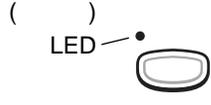


C-3 53

C-3 53

	<p>MC9190-G</p> <p style="text-align: right;">2-22 MC9190-G</p>
<p>/</p> 	<p>(APP)</p> <p style="text-align: right;">APP</p> <p>XML</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Parm name = "GreenKeyOverride" value = "xx" xx APP</p> <p>Parm name = "RedKeyOverride" value = "xx" xx APP</p> <p>XML MC9190-G</p> <p style="text-align: right;">APP</p>
<p>()</p> 	<p>가 /</p>
<p>/</p> 	<p>가/</p>
<p>/</p> 	<p>가/</p>
<p>ESC</p> 	
<p>ALPHA</p> 	<p>ALPHA</p>
<p>SPACE/BKSP</p> 	
<p>/</p> 	<p>Windows Mobile 6.5 F6 F7</p> <p>Shell.exe가 GXOpenInput()</p> <p>GXCloselInput() F6 F7</p> <p>: GXCloselInput()</p> <p>APP1 Calc.exe 가</p>

C-3 53 ()

	<p>LED가 가 () 가</p>
<p>CTRL(Control)</p> 	<p>CTRL 가 CTRL LED가 CTRL</p> <p>ALT CTRL ALT</p>
<p>SHIFT</p> 	<p>SHIFT SHIFT</p> 
<p>/</p> 	<p>가</p>
	
<p>Enter</p> 	<p>Windows Mobile 6.5 : 가 Microsoft Word Notes XML</p> <p>ENT(Enter)</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD" Para name = "SpecialEnterTabKey" value = 0</p> <p>XML MC9190-G</p>

3270

3270

가 가

. 3270

()

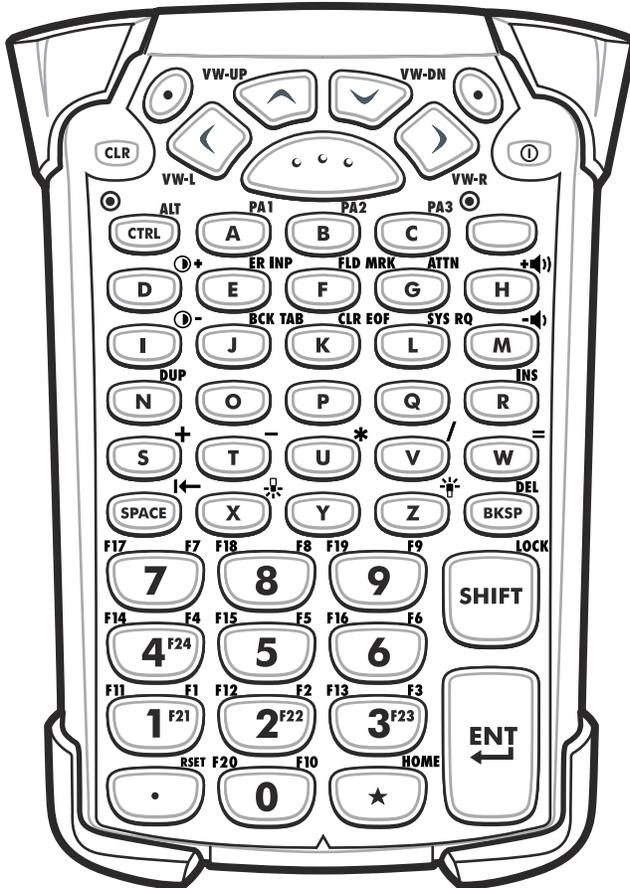
MC9190-G

C-20

C-7

C-12

C-4



C-4 3270



3270

MC9190-G가 3270

. MC9190-G가 3270

3270

53

C-4 3270

	<p>MC9190-G</p> <p><i>MC9190-G</i></p> <p style="text-align: right;">2-22</p>
<p>/</p> 	<p>(APP)</p> <p>APP</p> <p>XML</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Parm name = "GreenKeyOverride" value = "xx" xx APP</p> <p>Parm name = "RedKeyOverride" value = "xx" xx APP</p> <p>XML <i>MC9190-G</i> APP</p>
<p>()</p> 	<p>가 /</p>
<p>/</p> 	<p>가/</p>
<p>/</p> 	<p>가/</p>
<p>CLR</p> 	
<p>ALPHA</p> 	<p>ALPHA</p>
<p>SPACE/BKSP</p> 	
	<p>Windows Mobile 6.5</p> <p>F6 F7 Shell.exe가</p> <p>GXCloseInput() GXOpenInput() F6 F7</p> <p>: APP1 GXCloseInput() Calc.exe 가</p>

C-4 3270

()

<p>()</p> 	<p>가 ()</p> <p>LED가 가</p> 
<p>CTRL(Control)</p> 	<p>CTRL 가 CTRL LED가</p> <p>CTRL ALT</p>
<p>SHIFT</p> 	<p>SHIFT 가 SHIFT 가</p> 
<p>/</p> 	<p>가</p>
	
<p>Enter</p> 	<p>Windows Mobile 6.5:</p> <p>ENT(Enter) 가 Microsoft Word Notes XML</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Para name = "SpecialEnterTabKey" value = 0</p> <p>XML MC9190-G</p>

5250

5250

가 가

.5250

()

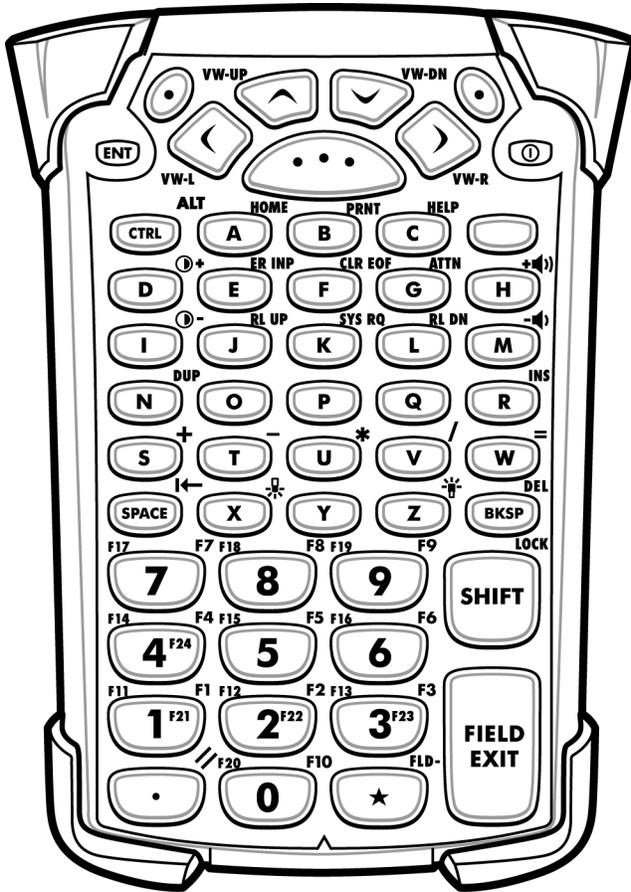
MC9190-G

C-20

C-7

C-15

C-5



C-5 5250



5250
MC9190-G가 5250

MC9190-G가 5250

5250

53

C-5 5250

	<p>MC9190-G</p> <p><i>MC9190-G</i></p> <p style="text-align: right;">2-22</p>
<p>/</p> 	<p>(APP)</p> <p>APP</p> <p>XML</p> <p>Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Parm name = "GreenKeyOverride" value = "xx" xx APP</p> <p>Parm name = "RedKeyOverride" value = "xx" xx APP</p> <p>XML <i>MC9190-G</i> APP</p>
<p>()</p> 	<p>가 /</p>
<p>/</p> 	
<p>/</p> 	
<p>ENT</p> 	
<p>ALPHA</p> 	<p>ALPHA</p>
<p>SPACE/BKSP</p> 	
	<p>Windows Mobile 6.5</p> <p>F6 F7</p> <p>Shell.exe가</p> <p>GXCloseInput() GXOpenInput()</p> <p>F6 F7</p> <p>: APP1 GXCloseInput() Calc.exe</p> <p>가</p>

C-5 5250

()

<p>()</p> 	<p>가 LED가 가 ()</p>
<p>CTRL(Control)</p> 	<p>CTRL 가 CTRL LED가</p> <p>CTRL ALT</p>
<p>SHIFT</p> 	<p>SHIFT 가 SHIFT 가</p> 
<p>/</p> 	<p>가</p>
	
<p>Enter</p> 	<p>Windows Mobile 6.5:</p> <p>Enter 가 Microsoft Word Notes XML</p> <p>Characteristic type ="HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD"</p> <p>Para name = "SpecialEnterTabKey" value = 0</p> <p>XML MC9190-G</p>

VT

VT

()

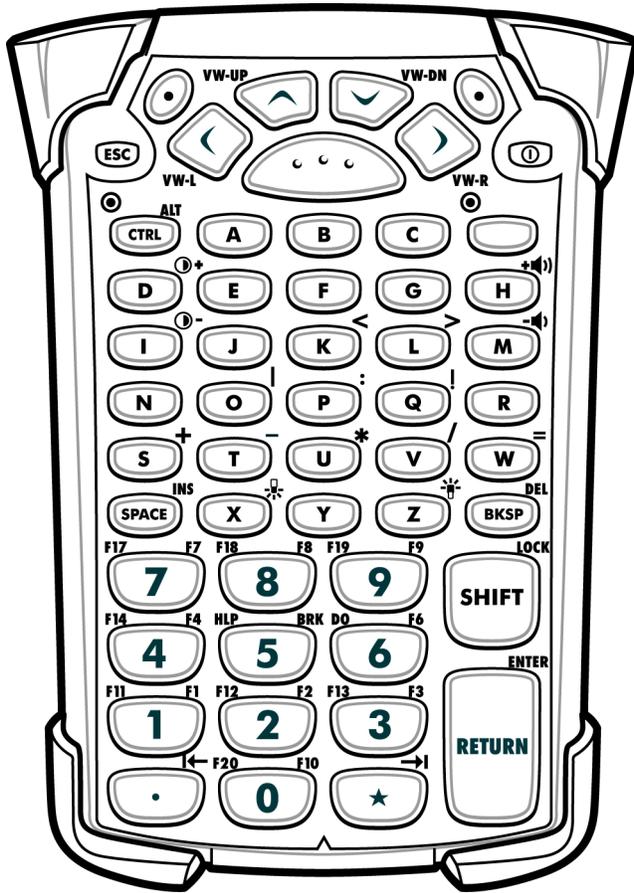
MC9190-G

C-20

C-7

C-18

C-6



C-6 VT



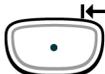
VT
MC9190-G가 VT

MC9190-G가 VT

VT

53

C-6 VT ()

<p>()</p> 	<p>LED가 가 () 가</p>
<p>CTRL(Control)</p> 	<p>CTRL 가 CTRL LED가 CTRL ALT ALT</p>
<p>SHIFT</p> 	<p>SHIFT 가 SHIFT SHIFT 가</p>
<p>/</p> 	<p>가</p>
	
<p>Enter</p> 	<p>Windows Mobile 6.5: RETURN 가 Microsoft Word Notes XML Characteristic type = "HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD" Para name = "SpecialEnterTabKey" value = 0 XML MC9190-G</p>

, 53

. 43

가

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	28	43	53 , 3270, 5250, VT	
	+ #		+ Z	
	+ 0		+ X	
	+ 1	+ F1	+ D	
	+ 4	+ F5	+ I	
	+ 3	+ F4	+ H	
	+ 6	+ F8	+ M	
ALT	CTRL +	+ CTRL	+ CTRL	ALT
				TAB ().

✓

C-8 () ALPHA ()

C-8

	28	43	53
[()			- E
] ()			- F
/ ()	- 9	- F12	- L - V
\ ()			- G
= ()	- 5	- BKSP	- W
; ()			- R
` ()			- J
' ()			- A
· ()			- B
! ()			SHIFT - 1
@ ()			SHIFT - 2
# ()			SHIFT - 3
\$ ()			SHIFT - 4
% ()			SHIFT - 5
^ ()			SHIFT - 6
& ()			SHIFT - 7

C-8

()

	28	43	53
* ()	SHIFT- , - .		- U SHIFT - SHIFT - 8 - U
(()			SHIFT - 9
) ()			SHIFT - 0
' ()			- C
" ()			SHIFT - - C
+ ()	SHIFT - - 5 - 7 SHIFT - - 7	- F9 SHIFT - - F9 SHIFT - - BKSP	- S SHIFT - - S SHIFT - - W
- ()	- 8	- F10 SHIFT - - F10	- N - T SHIFT - - T
: ()			SHIFT - - R
< (())			SHIFT - - A
> (())			SHIFT - - B
? ()	SHIFT - - 9	SHIFT - - F12	SHIFT - - L SHIFT - - V
- ()	SHIFT - - 8		SHIFT - - N
{ ()			SHIFT - - E
} ()			SHIFT - - F
~ ()			SHIFT - - J
 ()			SHIFT - - G
	- Space	- Space	- Space

802.11. IEEE(Institute of Electrical and Electronics Engineers)

802.11a. 5GHz (5.125 - 5.85GHz) 54Mbit/ . 5GHz
802.11b 2.4GHz .
802.11g 가 802.11b .

802.11b. 2.4GHz ISM(Industrial, Scientific and Measurement) (2.4 - 2.4835GHz) 11Mbit/
. 가 , , /
Bluetooth 2.4GHz ISM .

802.11g. 802.11b 54Mbit/ . 2.4GHz
. 802.11b .

A

Ad Hoc . 가 .

API. 가 , 가 .

Application Programming Interface. API .

ASCII. American Standard Code for Information Interchange , 128 , ,
7 .

B

Bluetooth. Bluetooth Ad - Hoc
bps(Bits per Second).

C

CDRH. Center for Devices and Radiological Health

CDRH Class 1. 가 CDRH

CDRH Class 2. 가

CHAP. Challenge Handshake Authentication Protocol ()가
ID (), ID MD5
가 MD5

COM , COM1, COM2

D

DCP. Device Configuration Package

DCP(Device Configuration Package). Motorola DCP(Device Configuration Package) , TCM(Terminal
Configuration Manager) TCM 16
MC9190-G

E

EAP. Extensible Authentication Protocol

EAP-PEAP. Extensible Authentication Protocol-Protected Extensible Authentication Protocol

EAP-TLS. Extensible Authentication Protocol-Transport Layer Security

EMDK. Enterprise Mobility Developer's Kit

ESD. (Electro-Static Discharge)

H

Hz. (Hertz)

I

IEC. International Electrotechnical Commission

IEC (825) Class 1. 가 IEC , 1000 120

IEEE . MAC

IP. Internet Protocol , TCP/IP IP . IP (3) ,
(TCP UDP) “ ” 가 2 . IP 4
MTU()

IP . IP 가 . IP 32
가 . IP
(: 204.171.64.2).

L

LEAP. Lightweight Extensible Authentication Protocol

LED . (LED: Light Emitting Diode)
가

M

MS CHAP. Microsoft Challenge Handshake Authentication Protocol , Microsoft CHAP RFC 1994
CHAP 가 , MS-CHAP PPP
Microsoft Windows 95. Cisco (NAS) Microsoft Windows NT

P

PAN . Personal Area Network Bluetooth
PAN 10m 255

PING. Packet Internet Groper , IP 가

Q

QWERTY. PC . "QWERTY"

R

RAM. Random Access Memory , RAM / 가

ROM. Read-Only Memory , ROM

RS-232. , EIA(Electronic Industries Association)

S

Shared Key. Shared Key AP MU가

T

TCP/IP. Transmission Control Protocol/Internet Protocol , . TCP
. UDP . IP
가 . TCP/IP 가 ,
. TCP/IP
IP 가 . TCP/IP IP

TKIP. Temporal Key Integrity Protocol ,

TLS. Transport Layer Security 가 , TLS 3 가 . TLS
SSL(Secure Sockets Layer)

W

WAP. Wireless Application Protocol , WAP Wireless Markup Language
가 . WAP
CPU , ,

WEP. Wired-Equivalent Privacy , IEEE 802.11 ,
LAN WLAN .

WLAN. Wireless Local Area Network , LAN
IEEE 802.11 .

WPA. Wi-Fi Protected Access , WEP 802.11
TKIP(Temporal Key Integrity Protocol) EAP(Extensible Authentication Protocol), WEP .

WPA2. Wi-Fi Protected Access 2 , WPA . TKIP (Advance Encryption
Standard)

가

가 (VLD). 가 .

.

. 가 , / , ,

(**symbology**). (: UPC/EAN, Code 39,
PDF417).

. (: UPC/EAN) .

Light Amplification by Stimulated Emission of Radiation
가 , 가

GaAs(Gallium-Arsenide)

Motorola MC9190-G

가 , (),
가

가 , 가

.IP

IP 32
255.255.255.0

2

, ID

IP

가

. LAN , POS)

. LAN 가

(LCD: Liquid Crystal Display).

. 가 MC9190-G
. IEEE , 가
. IP

. 가 ,

. MC9190-G가 가

. MC9190 ' 3270, 5250 ' VT220

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WLAN 2-2

WPAN Bluetooth ix

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