

# **CDMA2000 1X EV-DO**

# **Wireless Data Terminal**

# **User Guide**

This User Guide is used for Wireless Data Terminal of AC3781.

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## Introduction

Thank you for choosing CDMA2000 3G USB-Data Terminal (hereinafter referred to as Data Terminal).

Data Terminal supports both CDMA2000 1X EV-DO and CDMA2000 1X network. In the area where there is signal, it allows you to go surfing on the Internet, send & receive text messages or emails.

The pictures in this help are only used to demonstrate your Data Terminal's functions, so they are maybe different from what you see on your Data Terminal. Please refer to your Data Terminal if they are differences.

## Precautions

- Use the original accessories or those authenticated by the manufacturer. Using any unauthenticated accessories may affect the data terminal's performance, violate the warranty provisions or relevant national regulations about telecom terminals, or even cause body injury.
- Do not disassemble, modify, frequently pull/plug the antenna, stretch, rotate or bend the antenna with great force.
- Before pulling out the data terminal, please use Windows safely removing the hardware and make sure to exit the application. Do not directly pull out the terminal to avoid the damage of data terminal or the influence on the normal operation of operating system.
- Do not forcefully plug/pull the data terminal to avoid the damage of connector.
- Do not use your data terminal near weak signal or high-precision electronic devices. Radio wave interference may cause misoperation of electronic devices or other problems.
- Turn off your data terminal on airplane where it's forbidden to use it. The data terminal may affect the normal operation of electronic devices, therefore please follow the relevant regulations when using your data terminal on airplane.
- Turn off your data terminal in hospital where it's forbidden to use it. The data terminal may affect the normal operation of medical apparatus, therefore please follow the relevant regulations when using your data terminal in hospital.
- Please do not use the data terminal near flammable or explosive materials, otherwise it might cause failure or fire.
- Keep your data terminal away from water. This may cause overheating or failure if water or any other kind of liquid enters your data terminal. Please do not use your data terminal near high temperature, damp or dusty place.
- Keep your data terminal away from children to avoid shock, plunge or impact. It may cause body injury when the data terminal is used as a toy.

## Appearance

### Product Specification

**Product name:** AC3781 CDMA2000 1XEV-DO data card

**Frequency range:** 800M,1900M,AWS

**Interface:** USB Interface

**Dimensions:** 83.7mm×31mm×16.1mm

**Weight:** about 35g

**Specification:** CDMA800MHz+1.9GHz+AWS, CDMA2000 1XEV-DO REVA

### Product Functions

1. USB interface ( compatible with USB 2.0 & USB1.1 )
2. Supports voice, SMS, SMS group-sending;
3. Max. data rate 3.1Mbps
4. Diversity reception
5. Supports SD card and U-disk
6. Built-in driver, self-start function;

## Install and Uninstall

### System Requirements

The Data Terminal supports the following operating system:

- Windows 2000/XP/Vista/7
- MAC

PC minimum configurations:

CPU	Pentium-II/233MHz
USB interface	2.0 (USB1.0 and 1.1 compatible)
Optical Drive	CD-ROM (for installation only)
Memory	64 MB
Disk Space	50 MB (used for installation of application)

## Installation Guide

### Install

1. Please connect Data Terminal to PC through USB interface. You could use the data cable to connect.
2. The installation driver will automatically run. Please install according to the installation wizard.
3. The system will automatically find new hardware and install the driver. Wait for a while. Click “Finish” after the installation is completed.



#### Note:

*Please connect the Data Terminal and PC with USB extension cable under weak signal to obtain the optimal performance. If necessary, adjust the Data Terminal's position.*

### Uninstall

4. Select **Start** → **All Programs** → **Cricket Broadband** → **Uninstall Cricket Broadband**, and you will be asked if you want to remove the program. Click “Yes”.
5. Please wait and then click “OK” when un-installation is completed.

## Descriptions of icons

The icons on the interface:



INTERNET



EMAIL



CONNECTION LOG



TEXT MESSAGE

The icons on the Status Bar:

CDMA 1X	1X indication		Connection indication
EVDO Rev.0/ Rev.A	EVDO network indication		Unread message indication
	Signal strength indication, the more bars there are, the stronger the signal is.		CDMA network unavailable

## NetConnect




1. Click to connect the internet. Once connected, the “Connect” button will change to “Disconnect”.




2. Click to disconnect from Internet.
3. Please connect the Data Terminal and PC with USB extension cable under weak signal to obtain the optimal performance. If necessary, adjust the Data Terminal's position and the antenna's direction.


## INTERNET

Click  to directly connect the URL you set in “Settings”.

## EMAIL

Click  to launch the default email application on your computer.

## CONNECTION LOG

Click  icon to view Connection Log. Connection Log save the previous relevant information including Start at, Duration and Transmit bytes, which will help you to know the status easily.

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### **Note:**


*The relevant information contained in Connection Log are just for user's reference rather than the charging basis.*

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### **Delete Connection Log**

Click  button to delete the records you have selected on the interface.

### **Clear Connection Log**


Click  button to delete all the records.


## TEXT MESSAGE

Click  icon to enter TEXT MESSAGE interface.

### **Send a Message**

1. Input the text and the recipient's number.
2. Input the recipient's number or click  button to select the recipient from phonebook.
3. Add more recipients if you like.

4. Click  button to send a message.


5. Click  button to save the text into Drafts.

The received messages will be saved in the Data Terminal InBox.


You could copy the messages from the Data Terminal InBox to PC InBox by selecting Copy or Copy All; you could also copy the messages from PC InBox to the Data Terminal InBox by selecting Copy.

### **Take Data Terminal InBox as an example:**


#### **Reply**

Click  to reply to the sender.


**Forward**

Click  to forward this message to other recipients.


**Save Sender's Number**

Click  to save the sender's number into phonebook.


**Delete**

Click  to delete your selected records.


**Clear**

Click  to delete all the records in the inbox.

**Copy**

Click  to copy your selected record into PC.

**Copy All**

Click  to copy all the records from the data terminal to PC.




## Phonebook


Click “Tools”→”Phonebook” to view the Phonebook. You could select to save the contacts in the PC, modem(Data Terminal).

**Take “Save the call history in PC” for example in the following:**


### New

Click  then input the contents and select “OK” to add a new contact.


### Send messages from the Phonebook

Click  to compose the text. You could send the message to multiple recipients.

### Delete

Click  to delete your selected contact.


### Search

Click  to search for the contacts by name or number.

### Delete All

Click  to delete all the contacts.


### Copy

Click  to copy your selected contacts to other storage location.


### Copy All

Click  to copy all contacts to other storage location.

### Import

Click  to import the phonebook (\*.txt format) in PC to the terminal.

### Export

Click  to export the phonebook (\*.txt format) in the terminal to PC.

## Settings

Click “Options”→”Preference” to enter the settings interface.

### Network Connection Settings

Set work mode, etc.

After the setting, click “Apply” button to save the settings on the current interface.

Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.

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#### Note:

*The default network setup parameters are as below. Different regions may have different network setup parameters, so please consult your local telecom operator.*

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### Select Alert tone

After clicking “Alerts”, you could set different alert tones.

After the setting, click “Apply” button to save the settings on the current interface.

Click “Default” button and then “Apply” button to restore the settings on the current interface to factory default.

### VPN Settings

#### VPN Options

None: Do not use VPN.


Microsoft VPN: Use VPN client of Microsoft Windows.

External VPN Application: Use other VPN client application provided another vendor.

#### Profile (Microsoft VPN only)

Select Microsoft VPN Profile

#### VPN Application

Specify other VPN client application. To choose the application from your local disk, click “” button.

Click the “Apply “ button.

### Optimization Settings

1.You can change settings for network optimization using this feature. you can select “Enable”, “Disable”.

2.click “Setup” button to setup Optimization Configurations.

**Relative Connection Speed:** Using this option, you can change image optimization level.

— High: Image optimization level is high. If this level is selected, image quality will be low.

— Medium: Image optimization level is medium.

● Low: Image optimization level is low. If this level is selected, image quality will be high.

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#### Note:

*The data terminal supports 'Optimization' function in Windows system, but not in MAC system.*

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### Miscellaneous

You can select “Ask for confirmation befor deleting” and “Start minimized”.

Click “Lock Code” button to change password.

## Help

Click “Help” → “Help Topics” button to view the relevant help file;

Click “About Device” You could view information about MDN, MIN, SID, Refub, PRL etc.

Click “About Cricket Broadband Connect” to view the version and copyright information.

## Testing

RF antenna connector locations and instructions:

Below, the 1st picture shows the Main RF connector and the 2nd shows the RF cable inserted.



Below, the 1st picture shows the secondary RF Diversity port and the 2nd shows the RF cable inserted.



Below, Inserts the T-FLASH card according to as follows



### Trouble-shooting

Failures	Causes	Solutions
Error occurs during the program installation.	The setup file may be damaged.	Please download the program on our website , <a href="http://www.ztemt.com/ennewzte/default.action">http://www.ztemt.com/ennewzte/default.action</a> and reinstall it.

Open port failed.	Directly run the software before the Data Terminal is plugged in.	Close the software, plug in the Data Terminal and run it again.
	The port is occupied by other applications, such as “Hyper terminal”, or the software is already run.	Close relevant software and run the software again.
No signal indicated.	Antenna is not connected to the Access Box.	Insert the antenna into the Data Terminal.
	Out of the network service area.	Make sure it is in the CDMA network service area.
	The antenna or RF component is damaged.	Replace relevant damaged parts.
Dialing failed	Wrong setting of parameters. (Phone, User, Password.)	Correct the parameter settings. Consult your service provider for details.
	Not enough money.	Consult your service provider for details.
	Network congestion or failure.	Try again later.
Internet connection failure.	The Data Terminal is being disconnected. (It usually occurs when the Internet connection is immediately made after the call is dialed.)	Reconnect.
	Poor network signal.	View signal strength indication and check if the antenna is properly inserted.
The installation program can't auto set up. (If the Data Terminal supports auto setup function.)	The program has already been installed in current system.	Firstly remove the original program and insert the terminal again.
	Autorun function in CD-ROM is disabled because of installation of anti-virus software in the system, or Windows Vista system itself disabled Autorun function in CD-ROM in default.	Open “My Computer” to enter CD-ROM disk ordinal, and double-click Setup.exe to install manually.
No CD-ROM disk ordinal in “My Computer”.	CD-ROM will automatically disappear once the program is installed successfully.	This is normal. If you want to display CD-ROM disk ordinal, you could firstly remove the program and then insert the terminal again.
	The program is not yet installed, and no other previous version was	Please restart your computer. Please contact your local operator or product technical support

	installed in the system.	center if CD-ROM disk ordinal doesn't appear after your computer is restarted.
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<p>The driver might be unable to work and the application is unable to run normally if the terminal is pulled out and plugged in again when the application is being used under Win2000 (SP4) operating system .In this case, the device in device manager will be marked with yellow exclamation mark, and the system must be restarted to run normally.</p>	<p>The operating system needs installing Update Roll 1 patch for Win2K SP4.</p>	<p>Please download the patch from the following web site and install it.</p> <p><a href="http://www.microsoft.com/downloads/details.aspx?familyid=B54730CF-8850-4531-B52B-BF28B324C662&amp;displaylang=en">http://www.microsoft.com/downloads/details.aspx?familyid=B54730CF-8850-4531-B52B-BF28B324C662&amp;displaylang=en</a></p>
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Memory card socket

USB port, press upwards to open it

External antenna