

HUAWEI

Airbridge BTS3612A CDMA Base Station
Technical Manual

System Description

HUAWEI

Airbridge BTS3612A CDMA Base Station
Technical Manual

System Principle

Airbridge BTS3612A CDMA Base Station Technical Manual



HUAWEI

Ver: T2-030298-
20031120-C-1.20

BOM: 31026098

1.5cm

7cm Font: Arial 22pt ,
Product name: Bold

5.3cm

0.7cm

5cm

4cm

2.5cm, Font: Arial, 9
pt

Huawei Technologies Co., Ltd.

Administration Building, Huawei Technologies
Co., Ltd., Bantian, Longgang District,
Shenzhen, P. R. China

Postal Code: 518129

Website: <http://www.huawei.com>

BOM: 31026098

15.7cm

10cm

Airbridge BTS3612A CDMA Base Station Technical Manual

Huawei Technologies Co., Ltd.

Airbridge BTS3612A CDMA Base Station Technical Manual

Huawei Technologies Co., Ltd.

Airbridge BTS3612A CDMA Base Station Technical Manual

Huawei Technologies Co., Ltd.

Airbridge BTS3612A CDMA Base Station Technical Manual

Huawei Technologies Co., Ltd.

Airbridge BTS3612A
CDMA Base Station
Technical Manual

Airbridge BTS3612A CDMA Base Station

Technical Manual

Maintenance Manual

Data Configuration Manual



HUAWEI

BOM: 31026098

BOM: 31033317

BOM: 31161099

HUAWEI

1. System Description

2. System Principle

Airbridge BTS3612A CDMA Base Station
Technical Manual

V100R002

Airbridge BTS3612A CDMA Base Station

Technical Manual

Manual Version	T2-030298-20031120-C-1.20
Product Version	V100R002
BOM	31026098

Huawei Technologies Co., Ltd. provides customers with comprehensive technical support and service. Please feel free to contact our local office or company headquarters.

Huawei Technologies Co., Ltd.

Address: Administration Building, Huawei Technologies Co., Ltd.,

Bantian, Longgang District, Shenzhen, P. R. China

Postal Code: 518129

Website: <http://www.huawei.com>




Email: support@huawei.com

Copyright © 2003 Huawei Technologies Co., Ltd.

All Rights Reserved

No part of this manual may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks

 , HUAWEI, C&C08, EAST8000, HONET,  , ViewPoint, INtess, ETS, DMC, TELLIN, InfoLink, Netkey, Quidway, SYNLOCK, Radium,  M900/M1800, TELESIGHT, Quidview, Musa, Airbridge, Tellwin, Inmedia, VRP, DOPRA, iTELLIN, HUAWEI OptiX, C&C08iNET, NETENGINE, OptiX, iSite, U-SYS, iMUSE, OpenEye, Lansway, SmartAX, infoX, TopEng are trademarks of Huawei Technologies Co., Ltd.

All other trademarks mentioned in this manual are the property of their respective holders.

Notice

The information in this manual is subject to change without notice. Every effort has been made in the preparation of this manual to ensure accuracy of the contents, but all statements, information, and recommendations in this manual do not constitute the warranty of any kind, express or implied.

About This Manual

Release Notes

This manual applies to Airbridge BTS3612A CDMA Base Station V100R002.

Organization

This Technical Manual gives a systematic introduction on the technical principles, structures and maintenance methods of Airbridge BTS3612A CDMA Base Station (BTS3612A hereafter).

It is divided into two modules:

- **Module 1 System Description** This module introduces the product features, product architecture, main functions, reliability design, operation and maintenance system, technical indices and so on.
- **Module 2 System Principle** This module first introduces the system structure of BTS3612A, including its baseband subsystem, RF subsystem, antenna & feeder subsystem, power and environment monitoring subsystem, and then describes the lightning protection and grounding, BTS signal flows and BTS configuration.

Intended Audience

The manual is intended for the following readers:

- Installation engineers & technicians
- Operation & maintenance personnel

Conventions

The manual uses the following conventions:

I. General conventions

Convention	Description
Arial	Normal paragraphs are in Arial.
Arial Narrow	Warnings, Cautions, Notes and Tips are in Arial Narrow.
Boldface	Headings are in Boldface .
Courier New	Terminal Display is in Courier New.

II. Command conventions

Convention	Description
Boldface	The keywords of a command line are in Boldface .
<i>italic</i>	Command arguments are in <i>italic</i> .
[]	Items (keywords or arguments) in square brackets [] are optional.
{ x y ... }	Alternative items are grouped in braces and separated by vertical bars. One is selected.
[x y ...]	Optional alternative items are grouped in square brackets and separated by vertical bars. One or none is selected.
{ x y ... }*	Alternative items are grouped in braces and separated by vertical bars. A minimum of one or a maximum of all can be selected.
[x y ...]*	Optional alternative items are grouped in square brackets and separated by vertical bars. Many or none can be selected.

III. GUI conventions

Convention	Description
< >	Button names are inside angle brackets. For example, click the <OK> button.
[]	Window names, menu items, data table and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forward slashes. For example, [File/Create/Folder].

IV. Keyboard operation

Format	Description
<Key>	Press the key with the key name inside angle brackets. For example, <Enter>, <Tab>, <Backspace>, or <A>.
<Key1+Key2>	Press the keys concurrently. For example, <Ctrl+Alt+A> means the three keys should be pressed concurrently.
<Key1, Key2>	Press the keys in turn. For example, <Alt, A> means the two keys should be pressed in turn.

V. Mouse operation

Action	Description
Click	Press the left button or right button quickly (left button by default).
Double Click	Press the left button twice continuously and quickly.
Drag	Press and hold the left button and drag it to a certain position.

VI. Symbols

Eye-catching symbols are also used in the manual to highlight the points worthy of special attention during the operation. They are defined as follows:



Caution, Warning, Danger: Means reader be extremely careful during the operation.



Note, Comment, Tip, Knowhow, Thought: Means a complementary description.