

HUAWEI

Airbridge BTS3612A CDMA Base Station
Technical Manual

System Description

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Airbridge BTS3612A CDMA Base Station
Technical Manual

System Principle

Airbridge BTS3612A CDMA Base Station

Technical Manual



Ver: T2-030298-
20031120-C-1.20
BOM: 31026098

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Maintenance Manual

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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
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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.