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# MTK Android NAND 6516 User Manual

## General Description and Name

This scheme Implements the skip block method. Divide into main area and spare area to special format. Mark the last good block to be bad block with a special symbol into the main area.

## Relevant User Options

The following special features on the special features tab apply to this scheme. The default values might work in some cases but please make sure to set the right value according to your system.

Please note only the below special feature items are related to this scheme and ignore any others. If any of below items doesn't exist, please check whether the right version has been installed or contact Data I/O for support by submitting Device Support Request through this address:

<http://www.dataio.com/support/dsr.asp>

Bad Block Handling Type = "MTK Android NAND 6516"

Spare area = "Enabled"

Fill00 to Initial BB : Please refer to "Description of common NAND special features.pdf".

***For a Blank Device (means didn't move BBMark)***

***Set as "Enable" for this BBM.***[Default 'Disable']

***For a no Blank Device (means moved BBMark)***

***Set as "Disable" for this BBM.***[Default 'Disable']

BB: mark position : Please refer to "Description of common NAND special features.pdf".

***For a Blank Device (means didn't move BBMark)***

***Normally set as "FFFFFFFF" for this BBM.***[Default 'FFFFFFFF']

***For a no Blank Device (means moved BBMark)***

***Normally "18"(16bit)for large page size for this BBM.***[Default 'FFFFFFFF']

BB: mark mask: Please refer to "Description of common NAND

***For a Blank Device (means didn't move BBMark)***

***Normally set as default.***[Default 'Default(as chip spec)']

***For a no Blank Device (means moved BBMark)***

***Normally "FF00MASK"(16bit)for large page size for this BBM.***[ Default 'Default(as chip spec)']

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Check BadBlock Marker in Data File : Please refer to “Description of common NAND special features.pdf”. *Normally set as “Disabled” for this BBM.*[Default ‘Enabled’]

Bad block detection: Please refer to “Description of common NAND special features.pdf”. *Normally set as “BBM then BB marker” for this BBM.*[Default ‘semi vendor BB marker’]

### Special Notes

- This BBM image file should contain the ECC. For detail, please contact MTK.
- Only support large page SLC NAND device. Large page size means 2048Bytes.
- Cannot put blank device and no blank device together to program.

### Revision History

V1.0 Date: 2011-07-27  
Create this spec.  
V1.1 Date: 2011-08-01  
Add a special feature  
V1.2 Date: 2011-09-08  
Add a special feature

### Appendix

You can get the file “Description of common NAND special features.pdf” from <http://ftp.dataio.com/FCNotes/BBM/>