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# 高通多媒体技术期刊 20160203

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Qualcomm Technologies, Inc.

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机密和专有信息——高通技术股份有限公司



# Confidential and Proprietary – Qualcomm Technologies, Inc.

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# Revision History

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Revision	Date	Description
A	Feb 2016	Initial release

**Note:** There is no Rev. I, O, Q, S, X, or Z per Mil. standards.

# 内容

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- Display
  - 8996 display 最新 debug 文档汇总
  - 8996 AD 最新 patch 汇总
  - QDCM 版本更新及连接问题tips



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# Display

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# 8996 display 最新 debug 文档汇总

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- [80-NV396-83 MSM8996 Display Quick Start](#)  
-----display文档的大纲式介绍
- [80-NU323-31 MSM8996 Display Bringup Guide](#)  
-----特别适合LCD panel bring-up入门
- [80-NV396-100 Universal Bandwidth Compression \(UBWC\)](#)  
-----ubwc debug和入门介绍，如果你还不知道什么是ubwc，请直接阅读此文档。
- [80-NV610-94 FOSS Feature Description](#)  
-----FOSS是OLED panel使用的省电的feature，大概相当于LCD上的CABC/CABL。
- [80-NV396-37 Snapdragon Display Manager User Guide](#)  
-----SDM是8996上面使用的新版display HAL层，这篇文档对SDM进行了较好的介绍。
- [80-P2271-1 DPPS User Guide](#)  
-----DPPS是最新的显示后处理服务，这篇文档介绍如何集成和调试SVI/AD/CABL/FOSS。

# 8996 AD 最新 patch 汇总

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1.

[https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1\\_rb1.8&id=73e3a4b24c5cb39b28ce4750bb9f317755537274](https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1_rb1.8&id=73e3a4b24c5cb39b28ce4750bb9f317755537274)

2.

[https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1\\_rb1.8&id=df3508096a4c2d560b7ac0fcf80d645537664526](https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1_rb1.8&id=df3508096a4c2d560b7ac0fcf80d645537664526)

3.

[https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1\\_rb1.8&id=cb944be0427861e95cdbccbb1464b01ff4eac6f3](https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1_rb1.8&id=cb944be0427861e95cdbccbb1464b01ff4eac6f3)

4.

[https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1\\_rb1.8&id=f3491406ce2fcb957df4e0901acb21451219bf5b](https://www.codeaurora.org/cgit/quic/la/kernel/msm-3.18/commit/?h=LA.HB.1.3.1_rb1.8&id=f3491406ce2fcb957df4e0901acb21451219bf5b)

以上 4 个 patch 主要解决AD 图像增强的strength 以及背光变化不连续的问题。

# QDCM 版本更新及连接问题tips

QDCM Version 4.4 MR1 已经更新到createpoint , 建议大家更新QDCM版本 , 便于进行panel tuning。

<https://createpoint.qti.qualcomm.com/tools/#suite/0b01003981bb17cb/0b01003981d0dfaa>

Tools > Choose a Tool Suite > QDCM WIN 4.0 Installer 00010.1

**QDCM.WIN.4.0 Installer**

View Different Version 00010.1 Download 00010.1 (5 MB)

**Full Name**  
Qualcomm® Display Color Management

**Description**  
The Qualcomm Display Color Management tool is used to tune mobile device displays - tone adjustments, picture adjustments (hue, saturation, contrast, and brightness - global, six-color zones, and memory colors), white point adjustment, and picture sharpness/smoothness adjustments. It is also used to achieve the best image quality on mobile displays by properly calibrating and programming it's supported chipsets.

===== PLEASE NOTE =====

QDCM v4.4 MR1 IS AVAILABLE AS VERSION 00010.1 IN THE CREATEPOINT DROPDOWN LIST

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**Categories**  
Tuning

**Visibility**  
External and Internal

**Chipsets**  
All

**Reference Number**  
QDCM.WIN.4.0-00010-QDCM-1

**System OS**  
Windows

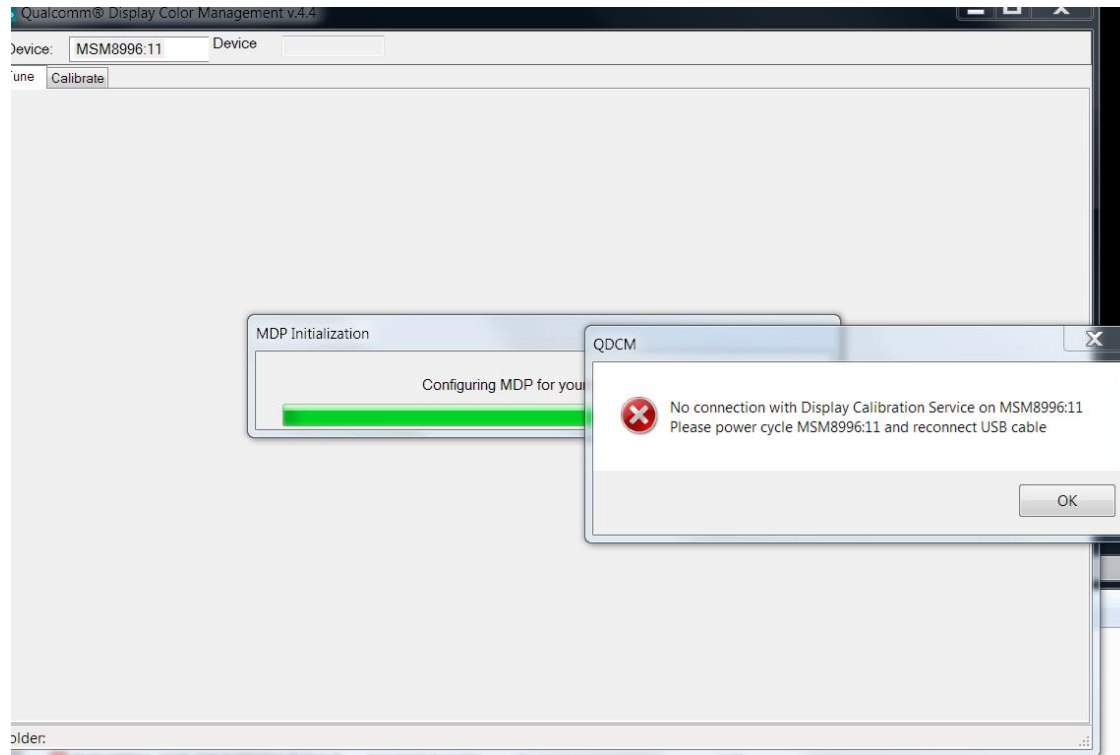
**Release Date**  
01-26-2016



# QDCM 版本更新及连接问题tips

QDCM 有的时候会遇见连接问题。

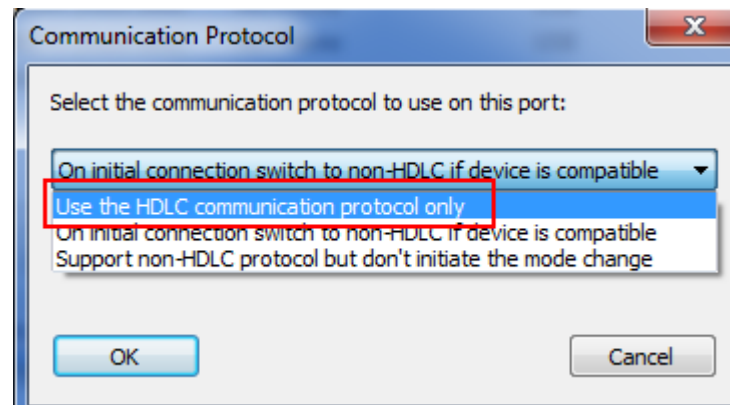
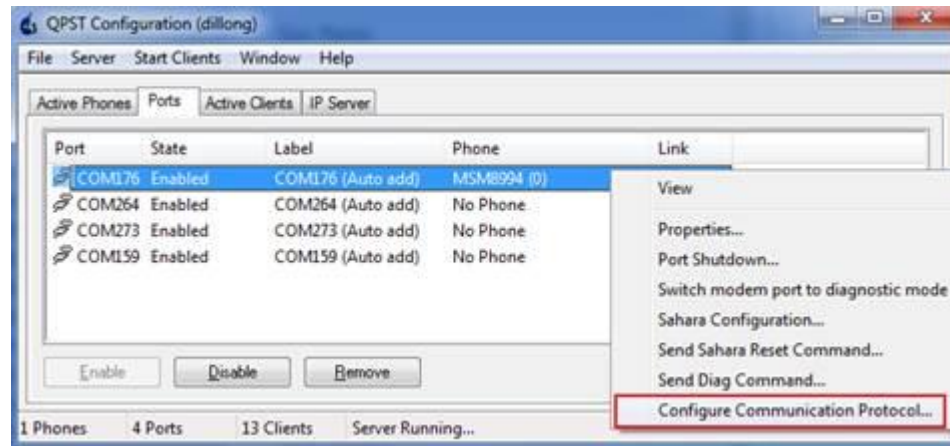
1. QPST 可以很好的识别DIAG port.
2. Adb 可以正常工作。
3. 但是QDCM 还是 connect fail



# QDCM 版本更新及连接问题tips

## 解决方法

1. 在手机所在的DIAG port上面更改通信协议，选择HDLC only。
2. 重新启动QPST
3. 重新启动QDCM



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## Questions?

<https://support.cdmatech.com>

