June 2009
Firmware and Software Updates

Release Notes

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Introduction

This document describes all firmware and software updates released in June 2009 for Xcalibur Global Management Software and for Chip PC thin client devices.

Components

The June 2009 Firmware and Software Updates include the following components:

- Chip PC CE 6.0 R2 client device firmware, version 7.0.2 build 090706RL0.
- Chip PC CE 4.2 client device firmware, version 6.5.8 build 092105RL0.

CE 6.0 R2 Firmware version 7.0.2 build 090706RL0 - Supported Hardware Models

Chip PC client device firmware version 7.0.2 build 090706RL0 is supported on the following hardware models:

- Xtreme PC: NG 64xx – NG 66xx
- Jack PC: EFI 68xx – EFI 69xx
- All models based on the 7xxx platform

CE 4.2 Firmware version 6.5.8 build 092105RL0 - Supported Hardware Models

Chip PC client device firmware version 6.5.8 build 092105RL0 is supported on the following hardware models:

- All models based on the 6xxx platform
- All models based on the 7xxx platform

CE 6.0 R2 Firmware version 7.0.2 build 090706RL0 - New Features and Fixes

Table 1 lists and describes new features and fixes introduced in the Chip PC client device firmware 7.0.2 build 090706RL0, released in June 2009.

Table 1: Firmware version 7.0.2 build 090706RL0

#	Feature / Fix	Description
1.	NEW – Support for Screen Rotation	Added the option to rotate the screen display by 90^0, 180^0 and 270^0. **NOTE** *VNC is not supported in this mode. The Display Test button is not supported in this mode.*
2.	NEW – IE support for TIFF	Support for viewing TIFF images via Internet Explorer. **NOTE** *In the IE plug-in configuration,* ***Advanced*** *>* ***Select Download options*** *must be set to* ***Allow All****.*
3.	FIX – Improved Network performance	Fixed packet loss issue in Multicast environmrnt.
4.	FIX – Standby Mode	Certain HW models would not enter Standby mode. This is now fixed.
5.	FIX – COM port	The COM port on 7500 models did not function as required. This is now fixed.

CE 4.2 Firmware version 6.5.8 build 092105RL0 - New Features and Fixes

Table 2 lists and describes new features and fixes introduced in the Chip PC client device firmware 6.5.8 build 092105RL0, released in June 2009.

Table 2: Firmware version 6.5.8 build 092105RL0

#	Feature / Fix	Description
1.	NEW – Support for wired 802.1x	Added the option to use IEEE 802.1x protocol for device authentication over a wired connection.
2.	NEW – Support for BOOTP	Added the option to use the BOOTP protocol. This includes the option to receive the device Host (NetBIOS) name via BOOTP.
3.	FIX – Improved Network performance	Fixed packet loss issue in Multicast environmrnt.

How to Enable 802.1x Authentication for a Wired Connection

1. Open the **WBT Configuration** dialog by clicking **Start** > **Settings** > **Device**.
2. Select the **Authentication** tab.

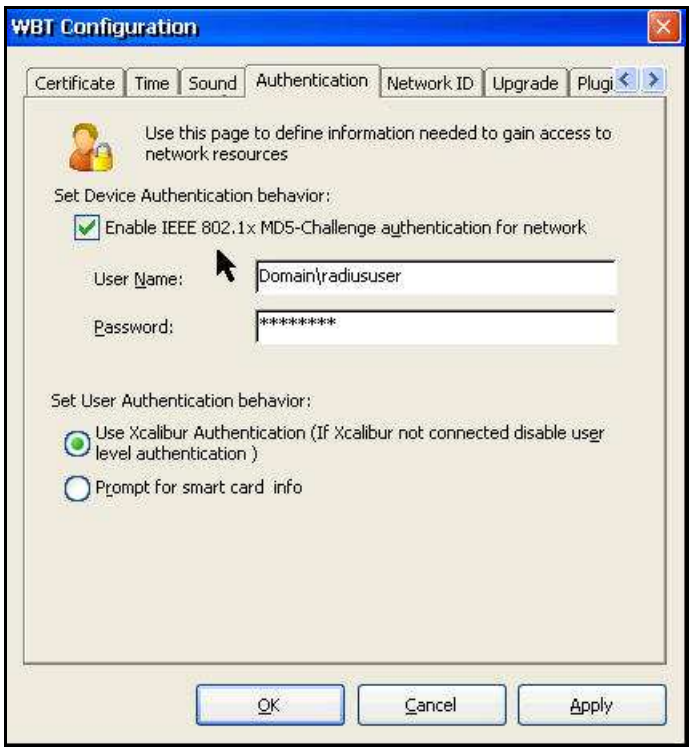

Figure 1 – Device & User Authentication behavior

3. Select the check box **Enable IEEE 801.1x MD5-Challenge authentication for network**.
4. Type the **User Name** and **Password** that are used for authentication.
5. To save and apply these settings, click the series of **OK** buttons until the device reboots.

NOTE *For detailed information regarding the use 802.1x for a wired connection, refer to the following Microsoft document:*
802.1X Authenticated Wired Access
http://technet.microsoft.com/en-us/library/cc753354.aspx

How to Enable the BOOTP Protocol

1. Open the **WBT Configuration** dialog by clicking **Start** > **Settings** > **Device**.
2. Select the **Network** tab.
3. Click the **Network Info** button to open the dialog **Network Info Obtained from DHCP**.

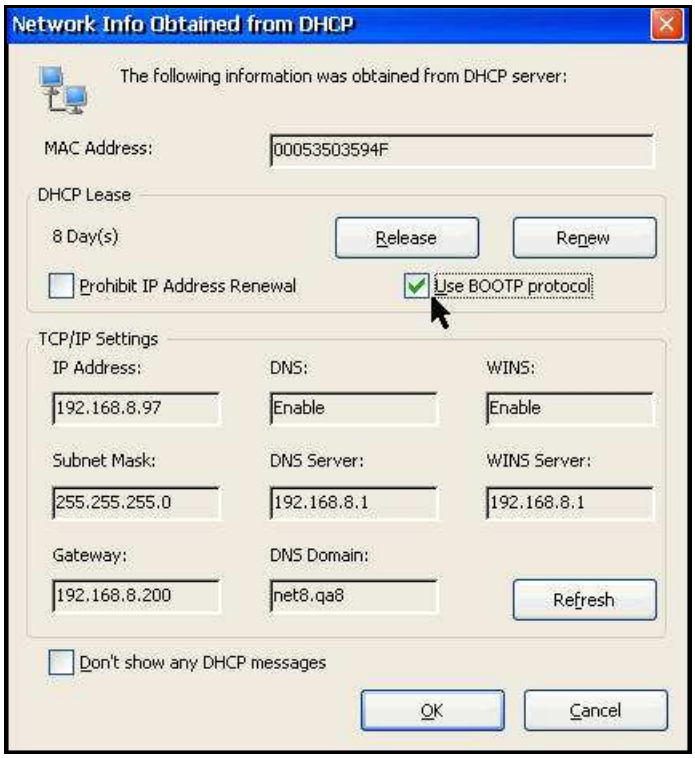

Figure 2 – Network Info Obtained from DHCP

4. Select the **Use BOOTP protocol** check box.

NOTE *When the BOOTP protocol is selected, the device uses this protocol **instead** of the DHCP protocol and not in addition to it. The device will not receive a response from a DHCP server that is configured to use only DHCP.*

5. To save and apply these settings, click the series of **OK** buttons until the device reboots.

How to Set Screen Rotation

1. Open the **WBT Configuration** dialog by clicking **Start** > **Settings** > **Device**.
2. Select the **Display** tab.
3. From the **Screen Rotation** drop-down list, select the degree of rotation.

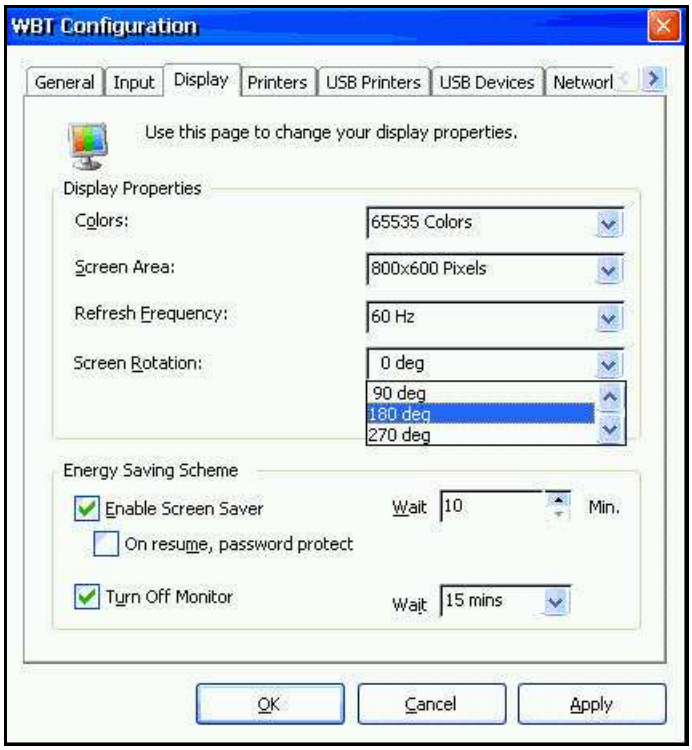

Figure 3 – Display Screen Rotation

4. To save and apply these settings, click the series of **OK** buttons until the device reboots.