Service Documentation

BenQ XCSD Tool



Release	Date	Department	Notes to change
R 1.0	24.10.2005	BenQ Mobile	New document
R 1.1	24.11.2005	BenQ Mobile CC S CES	Partnummer modification

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1 Introduction

1.1 Purpose

This Service Repair Documentation is intended to carry out software downloads on BenQ mobile phones for repair level 1-4.

1.2 Scope

This document is the reference document for all BenQ authorised Service Partners which are released for software update of BenQ mobile phones.

1.3 Terms and Abbreviations

2 System Requirements

Hardware:

Operation system:
CPU:
Hard Disk:
Memory:
Input Device:
Mobile connection:

Win98 / WinNT / Win2000 / WinXP Pentium 100 Mhz or higher. Free 10MB space. 64MB RAM. Keyboard and mouse USB boot cable with USB foxlink driver **F30032-P601-A1**

Software:

Latest version of "XCSD" Tool >> available via C-Market Latest version of USB to serial Driver for Cable F30032-P601-A1

Core software according to release tables	(ending with .mot)			
Language software according to release tables	(ending with .mot)			
Configuration files according to release tables Binary file for configuration	(ending with .ppf) (ending with .bin)			

3 Setup of the Software

Download of the required software:

Download the driver, the XCSD software mobile software (core-software and language files) from the Technical Support Page:

https://market.benqmobile.com/so/welcome.lookup.asp

Installation of USB - Serial converter boot cable:

Start the "DataCableDrvInstaller.exe" file and follow the instructions of the installer.

)ata Cable Driver Inst	aller
1. Please remove you	r USB data cable first.
2. Click "OK" to install,	, "Cancel" to abort.

DataCableDrvInstaller 🛛 🔀								
i	Driver installation OK ! Please plug-in the Data Cable to complete the installation.							
	ОК							

Plug in the Data cable and follow the installation instructions to complete the process.

Check the Comport number of the data cable in the device manager. (XCSD tool supports only Comport 1 to 10)

Installation of XCSD tool:

Start "setup.exe" file and follow the instructions. The installer creates a shortcut in the start menu bar. Start – Programs – XCSDTool_L1 - BenQS

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onal	Ì	Documents	۲			
essi	<u>.</u>	Settings	۲			
Prof	P	Search	•			
ХP	?	Help and Support				
wopu		Run				
Wir	0	Shut Down				
4	/ sta	irt 🔰				

4 Software basic settings

- Start the software (BenQS.exe). The XCSD tool will be shown on the screen
- Select Model:

🥭 BenQ C	SD Too	L1								
File Setting) View <mark>(</mark>	Model Help								
		P50								
Help		A520 U700								
Benq	sen	Z2	Σ Benq	Beng	Beng	Beng	Beng	Beng	senq.	Ber
вело		M220	2 Benq							
Benq		M300 M305	2 Benq							
Beng		M315	3 Beng							
Benq		M350 M580	i Benq							
Beno			s seno							

Select Com port (Setting – Com port):

Ӛ В	🈂 BenQ CSD Tool L1 📃 🗔 🔀												
File	Setting	View	Model Help										
	Con	n port 🔸	COM1										
	Bau	drate 🕨	COM2										
⊢	lelp		COM3										
86		Ben	COM4 COM5	Beng							sen		
Be		Ben	COM6	Beng							Ben		
Be		Ben	COM7 COM8	Beng							Ber		
Be		Ben	COM9	senq							Ben		
Be		sen	COM10	Beng							ser		

5 Software Download procedure

Select Download Option (View – Download):

🥭 BenQ CS	D Tool L1						_	
File Setting	View Model Help	_						
	✓ BenQ							
	Download							
Help	Write PPF							
Reno	Wap/Network Bkp/Restore	senn	Renn	Renn	Renn	Renn	Benn	Ber
The second states	Media Center Bkp/Restore	and should be hadfare						
Beng	Unlock Tool	senq.						
Beng I	DSC Upgrade Tool Smart Phone OS USB Download	senq,						
Beng	. A Status Bar	3enq						
Beng	 ✓ Toolbar 	3enq						

Benq mobile

■ Se	elect		Progra Langu	am C Iage	Code (Pack	exam (exar	ple: E nple E	22 1 22 L	11710.ı 11711.r	mot) a not)	and	
Downlo	ad											
File Settin	g View Moo	del Help										
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Setting	Boot File N	Not file LP I	hie OP hie	MMP I		n Kranerna -	<u>y</u> Ranz	-	unction	sen		
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Pro	gram Code	<< Nor	-specified >	≿ B0	ng Be	ng Be	ng Be		E Beng	Ben		
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Ready								M	315			

 Connect mobile phone with data cable. Phone must be switched off. Click on "Start" button and press the power on button on the handset to start the download. During download process status bar shows the state of the process of P = Program code, L = Language file and S = Set default (if activated). After successful SW download, the status bar of the used Com port is changed to green.

Erase of customer data:

Select the "Power-off set default" option to erase all customer data of the phone during the download process.

• Click the "Set E2p" to erase the customer data without software update.

SW files naming rules:

Program CodeE22111710Language PackE22L11711

E22 Project name 117 Program Code L Language Pack 117 Version 1.17

10/11 Program Code ID

Technical Documentation TD_SW Download_L1_AP75_R1.1.pdf 11/2005 Page 8 of 14

6 Download PPF (Handset configuration)

Select write PPF option (View – Write PPF):

🥭 Write PF	'F file		
File Setting	View Model Help		
Database	BenQ Download Wap/Network Bkp/Restore Media Center Bkp/Restore Unlock Tool DSC Upgrade Tool	Seno Beno Beno Beno Beno Beno Beno Beno B	Database File
G:\09	Smart Phone OS USB Download Status Bar Toolbar	ict Information M315 AP75\M315_FW_V1.1	PPF File

Select Database File (example: E22111710.bin) and PPF File (example benq_m315_twn.ppf)

🥭 Write PPF file					
File Setting View Model Help					
Database Connect Disconnect					
r Setting Files	ng beng beng beng beng beng beng ben				
C:\M315_FW_V1.17_Taiwan_0	C:\M315_FW_V1.17_Taiwan_Out\E22111710.bin Database File				
C:\M315_FW_V1.17_Taiwan\benq_m315_twn.ppf PPF File					
Beng Beng Beng Be	Log Englisher Berro Berro Berro Berro Berro				
	With Network Lock				
	Don't activate				

 Connect mobile phone with data cable. Phone must be switched on. Click to "Write PPF" button to start the process.

Benq mobile

• Confirmation about successful write of PPF appears after process is completed.

Database Connect Disconnect	
-Setting Files	enq Benq B
	ne sene re
C:\M315_FW_V1.17_1aiwan_Outte22111710.bin	Database File
ana pana pana pana pana pana pana p	no pono p
C:\M315_FW_V1.17_Taiwan\benq_m315_twn.ppf eeno eeno	PPF File
Che bond bond bond bond bond bond bond b	
senq benq benq benq benq benq benq benq b	enq benq b
end bend bend bend <mark>Logno bend bend bend b</mark>	Function
^	With
Msg(com4):WritePFilePpfFile(): Write MML FS_ID_DS_EMERGENCY success	Network Lock
Msg(com4):WritePFilePpfFile(): Write BenQS 🛛 🔀 success Error:	
Msg(com4):WritePFilePpfFile(): Write Error:0	Write PPF
Msg(com4):WritePFilePpfFile(): Write Write PPF Success Success Error	an la suite de
Msg(com4):WritePFilePpfFile(): Write	
Msg[com4]:WritePFilePpfFile[]: Write BACK success	
Msg[com4]:WritePFIIePpiFIIe[]: Write UK BAUK succes.	ang beng be
Msg(com/):WritePFilePnfFilePn Write MML FS ID MEDIA LIB CANNED MES	eno Beno Br
Msg(com4):WritePFilePnfFile(): Write MML_FS_ID_MEDIA_EIB_CARRED_MED.	NO BODO B
Msg(com4):WritePFilePpfFile(): Write MMI_FS_ID_UA_MODEL_ID_success Err	
Msg(com4):WritePFilePpfFile(): Write MMI_FS_ID_BAND_SETTING success E	ang beng be
Msg(com4):WritePFilePpfFile(): Write MMI_FS_ID_CLUB_BENQ_URL success	e <mark>ho beno b</mark> e
Msg(com4):WritePFilePpfFile(): Write all the PFiles Success! Error:0	eno Beno B
Msg: Completed (8.01 sec).	
	ang beng b
שרוע ברוע ברוע ברוע ברוע ברוע ברוע ברוע ב	ehq benq bi

7 Backup and Restore of Wap and Network settings

 Select Back and Restore of Wap and Network settins option (View – Wap/Network Bkp/Restore):

۱ 🍯	🥭 Wap/Network setting backup and restore 📃 🗔 🔀					
File	Setting	View	Model	Help		
	tabase Setting C:\M3	Bei Do Wr Wa Me Un DS Sm	nQ wnload ite PPF dia Cent lock Tool C Upgrad art Phon	ork Bkp/Res er Bkp/Res I de Tool de Tool ne OS USB E	tore ore	22111710.bin Database File
ER	C:\M3	✓ Sta ✓ Too	itus Bar olbar			ckup_M315.ntk end Beng Beng Setting File

Select

Database File (example: E22111710.bin) and

Setting File (create new txt file and rename it to ntk file for settings backup)

Wap/Network setting backup and restore	_ 🗆 🔀
File Setting View Model Help	
Database Connect Disconnect	
Setting Files	IQ BENQ BENQ BE
C:\M315_FW_V1.17_Taiwan_Out\E22111710.bin	Database File
C:\M315_FW_V1.17_Taiwan_Out\Backup_M315.ntk	Setting File
Enq Benq Benq Benq Benq Benq Benq Ben Enq Benq Benq Benq Benq Benq Benq Ben	Function
	BACKUP
	Beng Beng Ben Beng Beng Ben Beng Beng Beng Beng
	RESTORE
	Bang Beng Ber

- Connect mobile phone with data cable. Phone must be switched off.
- Click to "Backup" button to start the transfer the settings into the selected file.
- Click to "Restore" button to start the transfer from selected file into handset.

8 Backup and Restore of Media Center content

Select Back and Restore of Media center (View – Media center Bkp/Restore):



Select Media File (create new txt file and rename it to mmd file)

🍃 Media center backup and restore 📃 🗆 🔀			
File Setting View Model Help			
Database Connect			
Setting File	senq Benq Ber Sen <u>o Beno B</u> er		
_{e e} Benq Benq Benq Benq Benq Benq Benq Ben	Database File		
C:\M315_FW_V1.17_Taiwan_Out\Media Backup_M315.mmd	Media File		
Log	Function		
	BACKUP		
	RESTORE		

- Connect mobile phone with data cable. Phone must be switched on.
- Click to "Backup" button to start the transfer the settings into the selected file.
- Click to "Restore" button to start the transfer from selected file into handset.

9 Unlock Tool

Select Unlock tool function (View – Unlock Tool):

🍃 Unlock t	ool	
File Setting	View Model Help	
Database	BenQ Download Write PPF Wap/Network Bkp/Restore Media Center Bkp/Restore	senq benq benq benq benq benq be
ieno ie Ber	Se Unicel Teel DSC Upgrade Teel Smart Phone OS USB Download	Database File
eno Beno	✓ Status Bar ✔ Toolbar	ieno Beno Beno Beno Beno Beno Beno Beno B

Select Database File (example: E22111710.bin)

🦥 Unlock tool					
File Setting View Model Help					
Database Connect Disconnect					
Benq Benq Benq Be	no beno beno beno beno beno beno be				
Eenq Benq Benq Be	no beno beno beno beno ben <u>o beno b</u> en				
C:\M315_FW_V1.17_Taiwan_Out\E22111710.bin C:\M315_FW_V1.17_Taiwan_OUt\U22111710.bin C:\M315_FW_V1.17_Taiwan_OUt\U22111710.bin C:\M315_FW_V1.17_Taiwan_OUt\U22111710.bin C:\M315_FW_V1.17_Taiwan_OUt\U22111710.bin C:\M315_FW_V1.17_Taiwan_OUt\U22111710.bin C:\M315_FW_V1.17_Taiwan_					
Eenq Benq Benq Be	INQ BENQ BENQ BENQ BENQ BENQ BENQ BE				

- Click to "Show PW" button to get the codes.
- Unlock the codes in the mobile phone menu.
- Click to "Hide PW" button to hide the codes.

🦥 Unlock tool 📃 🗆 🔯				
File Setting View Model Help				
Database Connect				
Beng Beng Beng Beng Beng Beng Beng Beng	<u>q benq benq ber</u>			
Eenq Benq Benq Benq Benq Benq Benq Benq	<u>o Beno Beno B</u> en			
C:\M315_FW_V1.17_Taiwan_Out\E22111710.bin ECO BODO B	Database File			
Eenq Benq Benq Benq Benq Benq Benq Benq	o Beno Beno Ben			
Beng Beng Beng Beng Beng Beng Beng Beng	Beno Beno Ben			
Phone Unlock Code: 1234 Beno Beno	Show PW			
Sim Unlock Code: 1234	2 B(<u>mo seno s</u> in 2 B(<u>mo seno si</u> n 2 B(<u>no seno </u> B(n			
Screen Unlock Code: 1234	Hide PW			
E enq Benq Benq Benq Benq Benq Benq	o, Beno, Beno, Ben			