Please note: The following examples are shown using RMPrepUSB v1.9.75 which has extra user options.

RM Community Connect 3 USB Build Disk

CC3 USB build disks need to boot to MS-DOS as a floppy drive (A:). If it boots as C: then the CC3 programs and scripts will not work correctly and may corrupt the USB drive.

You must set your BIOS to treat the USB drive as a 'Removable Disk' and not as a 'Fixed Disk'. This must be configured using the BIOS Menu options and the exact setting will vary according to which BIOS you have.

You also need to enable USB detection in the BIOS. There may be an option such as 'Enable USB' or 'Enable USB Keyboard' or 'Enable Legacy USB' – this must to be enabled.

The examples below show which settings are most appropriate for the size of USB that you have.

Please note: Some older systems do not support booting WinPE (CC4) from a USB drive, others may not boot from a CC3 USB drive, whilst yet others may only boot from a CC3 <u>512MB</u> USB drive but not from larger drives. For more information, please use the RM Knowledge Library at www.rm.com/support

RM MiniSafe Pro 512MB

The settings shown below are recommended for USB booting for CC3. Note that the <u>512MB RM MiniSafe Pro</u> (or Lexar 512MB) is highly recommended for CC3 station booting as some older systems will not boot correctly from a USB drive with a capacity of more than 512MB.

- FAT16 This is the most successful format for booting as an A: drive (floppy drive)
- Boot as ZIP The CC3 Build disk only works if it boots as the A: drive (i.e. a floppy drive)
- MS-DOS bootable for CC3 it needs to boot to MS-DOS (IO.SYS is loaded)

Files are copied from the A: CC3 floppy build disk that you have made previously to the USB drive when formatting has completed.

📅 RMPREPUSB v.1.9.75 (c)2008 RM Education plc [SSi]	
DRIVE 2 RM MiniSafe U2C (USB-ZIP Removable) 506.985984MB	
DRIVE 2 F: 507.0MB RM MiniSafe U2C RMPARTUSB	<u>R</u> efresh
FILESYSTEM and OVERRIDES Image: FAT16 Image: Boot as ZIP (large A:) Image: FAT32 Image: G4hd/32sec if poss. Image: Comparison of the post as HDD (2PTNS) Image: Set drive as non-bootable	Help
BOOT OPTIONS © WinPE/Vista v2 bootable [BOOTMGR] (CC4) © 512MB ZIP MS-DOS bootable [IO.SYS] (CC3 and CC4DOSUFD) © MS-DOS bootable [IO.SYS] (CC3)	Prepare Drive
C XP bootable [NTLDR]	Eject Drive
FREEDOS bootable [KERNEL.SYS]	
C CLEAN USB drive (erase USB drive partitions)	E <u>x</u> it
Copy files from here after preparing USB drive Folder Image: Second state Please note: Tick FAT32 if you require a partition over 2GB in size. Edit the 'Size' textbox if you require a smaller partition.	

CC3 – Large USB drive

If you are using a USB drive of a larger capacity than 2GB, then it is recommended to use the following settings which will format the USb drive with a 500MB partition.

- FAT16 This is the most successful format for booting as an A: drive (floppy drive)
- Boot as ZIP The CC3 Build disk only works if it boots as the A: drive (i.e. a floppy drive). This setting automatically sets 64hd/32sec disk geometry.
- 512Mb ZIP MS-DOS bootable for CC3 it needs to boot to MS-DOS (IO.SYS is loaded). This option sets a 500MB partition without needing to alter the 'Size (MB)' text box or use FAT32 formatting.

Files are copied from the A: CC3 floppy build disk that you have made previously to the USB drive when formatting has completed.

RMPREPUSB v.1.9.75	(c)2008 RM Education plc [SSi]	X
DRIVE 2 Lexar JD FireFly (USB-		
DRIVE 2 F: 8.0GB Lexar JD	FireFly STEVE S_8GB	<u>R</u> efresh
FILESYSTEM and OVERRIDES ← FAT16	Size (MB) Volume Label MAX=8011 CC3 Set drive as non-bootable	Help
BOOT OPTIONS WinPE/Vista v2 bootable (BOOTMGR) (512MB ZIP MS-DOS bootable (IO.SYS)	<u>P</u> repare Drive	
C MS-DOS bootable [IO.SYS] (CC3)		Eject Drive
C FREEDOS bootable [KERNEL.SYS]		
C CLEAN USB drive (erase USB drive partiti	ons)	Exit
Choose Folder	you require a partition over 2GB in size.	

RM Community Connect 4 Build Disk

CC4 uses Microsoft Windows Pre-installation Environment v2. WinPE needs to load the BOOTMGR boot file. WinPE needs to be booted as a hard disk and not as a floppy disk or USB-ZIP disk.

You must set your BIOS to treat the USB drive as a 'Fixed Disk' and not as a 'Removable Disk'.

Some systems will not boot WinPE from USB (e.g. D865GLC)

CC4 – Small USB drive

Use the settings shown below.

- FAT32 Either FAT16 can be selected on drives below 2GB or FAT32
- Boot as HDD (2PTNS) this setting places a small hidden second partition in the USB drive. Some BIOSes will recognise any USB device with more than one partition as a 'Fixed Disk'.
- WinPE/Vista v2 bootable A CC4 build disk must load the BOOTMGR file to run WinPE.

Files can be copied from the CC4 bootable CD that you have made previously, or copied directly from the CC4 Server build area (the build area folder should contain the \sources and \boot folders amongst others).

en RM	RMPREP	USB	v.1.9.75		(c)2008 RM F	ducation plc [SSi]	
		VE 2	RM MiniSafe	u2C (USB-ZI	P Removable) 101	4.496768MB	
	DRIVE 2	F	1.0GB	RM MiniSafe	U2C	WINPE	<u>R</u> efresh
	FILESYST FAT16 FAT32 NTFS	3	nd OVERRIDES Boot as ZIP 64hd/32sec Boot as HD	(large A:) c if poss.	Size (MB) MAX=1014 ┌──Set drive as nor	Volume Label CC4 n-bootable	Help
BOOT OPTIONS WinPE/Vista v2 bootable (BOOTMGR) (CC4) 512MB ZIP MS-DOS bootable (IO.SYS) (CC3 and CC4DOSUFD)				<u>P</u> repare Drive			
	C MS-DO		otable (IO.SYS) (NTLDR)	(CC3)			Eject Drive
	C FREE	DOS E	ootable (KERNE	EL.SYS]			
	C CLEAN	N USB	drive (erase US	B drive partitions)		E <u>x</u> it
	<u>C</u> hoose Folder		D:\CC4_WINPE Please note: 1	– – – Fick FAT 32 if you	g USB drive require a partition ove juire a smaller partition		

CC4 – Large USB drive

Use the settings shown below.

- FAT32 FAT16 can be selected on drives below 2GB or use FAT32 for all drives
- Boot as HDD (2PTNS) this setting places a small hidden second partition in the USB drive. Some BIOSes will recognise any USB device with more than one partition as a 'Fixed Disk'.
- WinPE/Vista v2 bootable A CC4 build disk must load the BOOTMGR file to run WinPE.

Files can be copied from the CC4 bootable CD that you have made previously, or copied directly from the CC4 Server build area (the build area folder should contain the \sources and \boot folders amongst others).

📅 RMPREPUSB v.1.9.75	(c)2008 RM Education plc [SSi]	
DRIVE 2 Lexar JD FireFly (USB		
DRIVE 2 F: 8.0GB Lexar JD	FireFly STEVE S_8GB	<u>R</u> efresh
FILESYSTEM and OVERRIDES ○ FAT16 □ Boot as ZIP (large A:) ○ FAT32 □ 64hd/32sec if poss. ○ NTFS ▼ Boot as HDD (2PTNS)	Size (MB) Volume Label MAX=8011 CC4	<u>H</u> elp
BOOT OPTIONS WinPE/Vista v2 bootable (BOOTMGR) S12MB ZIP MS-DOS bootable (IO.SYS)	Prepare Drive	
MS-DOS bootable [I0.SYS] (CC3) XP bootable [NTLDR]		Eject Drive
FREEDOS bootable [KERNEL.SYS]		
CLEAN USB drive (erase USB drive partiti	ons)	E <u>x</u> it
Copy files from here after prepa Choose Folder Copy files from here after prepa D:\CC4_WINPE_BUILD_DIS Please note: Tick FAT32 if Edit the 'Size' textbox if you	you require a partition over 2GB in size.	

CC4 – Grub4Dos Iso Method

Use the settings shown below for systems which only boot to USB as drive A:.

- FAT32 FAT16 can be selected on drives below 2GB or use FAT32 for all drives
- Boot as HDD (2PTNS) this setting places a small hidden second partition in the USB drive. Some BIOSes will recognise any USB device with more than one partition as a 'Fixed Disk'.
- FREEDOS bootable Boots to FreeDOS as drive A: or C: and then loads the CC4 ISO file.

To use this special method of booting, the special RMGrub files must be used as well as the CC4 ISO file and Build Control.XML file. See <u>www.rm.com/support</u> for more details. This method can be used for Expert 3000 D915GUX systems and possibly others.

RMPREPUSB v.1.9.75	(c)2008 RM Education plc [SSi]			
DRIVE 2 LEXAR JD FIREFLY (USB-ZIP Removable) 506.985984MB				
DRIVE 2 F: 507.0MB LEXAR JD F	FIREFLY FAT32_2PTNS	<u>R</u> efresh		
FILESYSTEM and OVERRIDES ○ FAT16 Boot as ZIP (large A:) ○ FAT32 64hd/32sec if poss. ○ NTFS Boot as HDD (2PTNS) = BOOT OPTIONS	Size (MB) Volume Label MAX=506 FAT32_2PTNS Set drive as non-bootable	Help		
C 512MB ZIP MS-DOS bootable [I0.SYS] (CC3 and CC4D0SUFD)				
C MS-DOS bootable [I0.SYS] (CC3) C XP bootable [NTLDR]		Eject Drive		
FREEDOS bootable [KERNEL.SYS]				
C CLEAN USB drive (erase USB drive partition	ns)	Exit		
Choose Copy files from here after preparing USB drive Folder D:\CC4_GRUB_UFD\Rev2 Please note: Tick FAT32 if you require a partition over 2GB in size. Edit the 'Size' textbox if you require a smaller partition.				