Document version 1: 08 June 2021.

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BEM and Toolbox Updates

To avoid any incompatibility problems and to enable all facilities, the Toolbox program you are running should be version 3.21.11 or later.

Installation Procedure for the BEM 2K3 version 11.21.5 Package

Open the 2c BEM 11 Production 11-21-5.zip file and save the 2c BEM 11 Production 11-21-5.msi file in any convenient location.

Please do not proceed with the installation unless you have both your Registered User Code and the Upgrade Code applicable to this version.

Should you wish to purchase an upgrade to the 11 series or have purchased an upgrade and do not have your User or Upgrade Codes, please contact <u>lyndon@moto-sheets.com</u>

Any installed BEM version commencing with 3.11 or 11.21 MUST be removed via Control Panel, Programs and Features before installing this update.

Note that 11.x versions of BEM can co-exist with 10.x versions. Recommended action is that all earlier versions of BEM are removed once 11.21.5 is successfully installed and run to avoid inadvertently running earlier version that will not be compliant with the current UCI and local Association Regulations.

Removal Procedure

Note that screen shots are taken from Windows 7 Pro and may vary depending on the version of windows installed.

Click Start, Control Panel, Programs and Features (Add and Remove Programs in Windows XP)

Uninstall or change a program
To uninstall a program, select it from the list and then click Uninstall, Change or Repair.
Organise 🔻

-				
Name	Publisher	Installed On	Size	Version
📧 BMX Event Manager	Bemman	20/01/2021	31.3 MB	11.21.1

Right click on the selected Bem2K3 or BMX Event Manager then Left click on Uninstall. Answer Yes to any prompts required to complete the removal of the earlier version.

Double click on the **2c BEM 11 Production 11-21-5.msi** file saved earlier (see page 2) to start the installer.

The following screen is displayed.

谢 BMX Event Manager	
Bmx Event Manager	
The installer will guide you through the steps required to install BMX Event Ma computer.	anager on your
WARNING: This computer program is protected by copyright law and internal Unauthorized duplication or distribution of this program, or any portion of it, ma	ay result in severe civil
or criminal penalties, and will be prosecuted to the maximum extent possible u	nder the law.
Cancel < <u>B</u> ack	<u>N</u> ext >

Click Next to proceed and the following screen is shown.

BMX Event Manager	
Bmx Event Manager	
The installer is ready to install BMX Event Manager on your computer. Click "Next" to start the installation.	
Cancel < <u>B</u> ac	k <u>N</u> ext>

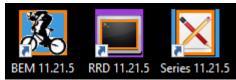
Click Next to start the installation and wait for the Installation Complete message (below).

BMX Event Manager	
Bmx Event Manager	>
BMX Event Manager has been successfully installed. Click "Close" to exit.	
Cancel < <u>B</u> ack Close	

Note that the installation is hardcoded into the folder structure: C:\BEM\Programs\Event\3.11.x for BEM and Series programs C:\BEM\Programs\Report\3.11.x for the RRD program.

If not done previously as per step 2.1 on page 16 of this document, Office 2007 and Office 2010 users should include the path C:\BEM\Programs in the Excel list of trusted locations.

The installation procedure installs the BEM, RRD and Series programs, adds the BMX Event Manager group in the Programs Menu and provides shortcuts on the Desktop.



Note: if the shortcuts are added but with default rather than the custom icons, please contact <u>lyndon.downing@bigpond.com</u> for assistance to resolve this issue.



Double click on the BEM icon **E** to start the program.

Note that the registration status at the top left of the screen will always show "Unlicenced Copy" before the language selection is made

BMX Event Manager©		×
Select Language / (Choisissez la langue	ОК
	English	
- <u>186</u> -	🔘 Spanish	
) French	
	🔘 German	
	Italian	
	🔘 Czech	
(*)	Portuguese	

Select the required language option then click OK

If you do not have a Registered User Code or Upgrade Code for this version then please contact <u>lyndon.downing@bigpond.com</u>

At the following prompt, enter your Registered User Code

BEM	×
Please enter your Registered User Code	OK Cancel

At the following prompt, enter your upgrade code:

BEM	×
Enter your upgrade code for BEM version: 11.21.5, 08 Jun 2021	ОК
	Cancel

The BEM version and your PC's Excel version and build details will then be shown.

Check that your BEM version and date is as shown below.

BMX Even	t Manager© (5)		×
(BEM Version 11	.21.5, 08 Jun 2021	
	by Lyndon.Dow	ning@bigpond.com	
	A UCI Sanction 2021 UCI BMX F 2021 UCI Pump		
	also supporting Australia	g Regional Rules for:	
	Britain		
	Canada		
	Denmark		
	Europe		
	Finland		
	Germany		
	ltaly New Zealand		
	Peru		
	South Africa		
	Switzerland		
Excel Version: 14.0, Build: 7268			
		OK)

The banner also includes the Excel version and Build numbers running on your computer as a quick check that you have the latest Microsoft Office updates installed. If you do not have versions at least matching the following, there is a good chance that your version of Excel is not up to date and may result in unpredictable operation of the BEM program.

Version	Build	Comment
11.0	8404	Excel 2003, Service Pack 3+
12.0	6762	Excel 2007, Service Pack 2+
14.0	7268	Excel 2010, Service Pack 2+

Select the appropriate Association / Region or UCI if used for other than the listed Associations.

Sel	ect Association		×
	Association selection determines the transfe system used for Scrambled Motos, not "pure" UCI rules.	r	ок
	Australia Australia	•	
	Britain	-	
	Canada		
	Denmark		
	Europe Finland		
	Germany		
	Italy		
	New Zealand		
	Peru		
	South Africa		
	Switzerland	_	

Note that the first time the BEM program is run as a first installation, the Event Files and Passing Files back-up paths may not be set or not valid and the following reminder message will be received.

BEM	X
The Event and/or Passing File back up path need Options screen which will be displayed when the	
	OK

Note that the Event File Back-up Path and Passing Files Back-up Path are blank and need t	0
e set.	_

BEM Options								×
Race Order Moto Sheets Score Board Sheet Orientation Image: Core Board Sheet Image: Core Board Sheet Orientation				Transponder	and Camera Set	-	Close	
Motos per p Numbers in () for 4 	Hane gates Portrait 0 8 (14) 0 3 (5) (14) 0 4* 0 4* 0 4 + UCI ID	Landscape Upload Key Enter the Upload Service Provider f results from RRD	for FTP uploa	e ad of	Show Rider's Er Show Rider's U Show as UCI ID Register riders Show Rider Cor Mute Sounds Use UCI style N	CI identity when as they are ente nment in Registr	available Ot	JCI Code
Default Printer Select Brother HL A6 Printer	L-2040 series on Ne06: L-2040 series on Ne25:			Show Group Club State Coun	as	Name Forma O John Si O John Si O JOHN Si O Don't F	nith MITH MITH	Name Alignment ① Left ○ Center ○ Right
Printer Scaling	L-2040 series on Ne25: UCI Moto 1 Land Random Allocate fro) Equ	ed Motos Ru Jal on Points n't Split on Co			Logo Print	ault Ir Defined
Event File Back-up Path Select Passing Files Back-up P Select							moto	

If you recoded the settings from an earlier version BEM installation restore those settings now. To select the paths, click on respective **Select** button, navigate to the required back up folder and then click on the **Save** button.

Select Event Back-up Path											
Save in:	Backup_E	vents	-	•🔰 😋 🗙 📷 💷	▼Too <u>l</u> s ▼						
Probikx - Champbikx	Name	Date modified	Туре	Size							
2011 Cairns		BU_Nationals 2011 Challenge and Championship - no Sprocket.bem BU_Photo Finish Result Testing.bem									
길 вем	BU TEST T	Block 1 20 Inch 2011 IME TRIAL Probiks (hampbikx Dv	m mamite Round 9.bem	After Moto 1 After Moto 2						
길 2K3.01	BU_BU_Sat	BU_BU_Saturday 20 Inct Type: BEM File After Moto 3 Size: 959 KB After Quarter File									
) 2K3.02		BU_Sprockets 2011 Nationals.bem									
🧮 Desktop	-	BU_Master Registration 2011 Nationals.bem									
Documents	-	BU_All Nationals Sprok-20-Cruiser Classes 2011.bem									
My Computer	Jo Zarchive										
My Network Places	•	•									
My Recent	File name: Event File.BEM										
	Save as type: Event File (*.bem)										

Select Back-up Pa	ath for Passing	Files			-	? ×				
Save in:	鷆 Passing Ba	ackup	• 🕲 •	🔺 🔇 🖄	די 🏢 🎬	ools 🔻				
Probikx - Champbikx	Name	Date modified	Туре	Size						
2011 Cairns		TEST ONLY Round 5, Probikx Champbikx 2010 Tuggeranong_P00262.txt TEST ONLY Round 5, Probikx Champbikx 2010 Tuggeranong_P00261.txt								
鷆 ВЕМ										
))) 2K3.01										
))) 2K3.02										
🧾 Desktop										
My Documents										
My Computer										
My Network										
My Recent	File <u>n</u> ame:	Passing Files.TXT			-	<u>S</u> ave				
Documents	Save as type:	Passing Files (*.txt)			•	Cancel				

Options screen shown with the Back-up Paths selected.

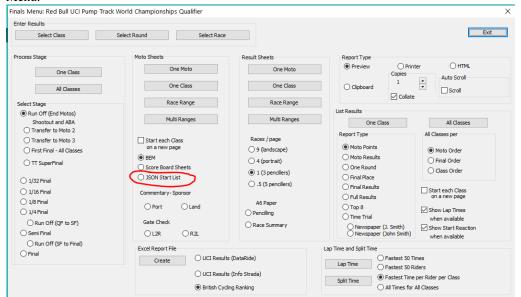
BEM Options						×
Race Order Moto Sheets Orientation		Score Board Sheets			and Camera Settings	Close
Landscape) Portrait	Orientation		Show Rider's Sp	oonsor when available	
Motos per page Numbers in () for 4 lan		O Landscape	Portrait	_	ntered Class when merged	
 e 9 (12) 6* (15) 	Landscape Portrait Upload Key ● 9 (12) ○ 8 (14) Enter the Upload Key ○ 6* (15) ○ 3 (5*) Sandre Brown		Show Rider's UCI identity when a Show as) UCI Code
○ 4 ○ 2 ○ 1	4* 4 + UCI ID	results from RRD A			as they are entered	
* Best for long names				🗹 Use UCI style N	1oto Numbering	
Default Printer			Show Grou	p as	Name Format	Name Alignment
A6 Printer	DocuPrint M225 z on Ne 10:			 ○ Club ○ State ③ Country 		Left Center Right
Receipt Printer Select EPSON TM-T8	38V ReceiptE4 on Ne 17:			ime from either run	◯ Don't Format	
	•		O Total	time of both runs	Logo Cont	
Printer Scaling	UCI Moto 1 Lane Random Allocate from		Scrambled Motos Ru C Equal on Points Can't Split on C	3	Defai Ouser None Embe	Defined
Select C:\BEM\E	Backup Events\				Class Mot	
Passing Files Back-up Path Select C:\BEM\E	n Backup Passings\					de extra for class ut final

Once the Event File Back-up and Passing File Back-up paths are selected and the Scrambled Motos Run-off setting is made you can close the options screen and select an Event File.

Changes from 11.21.3 to 11.21.5

BEM

• Adds a new facility to generate operator initiated Json format Start List reports from the Moto Sheets Menu.



• Adds a new facility to generate spontaneous Json format individual race results from the BEM Results Entry screen. The spontaneous Json reports are in addition to the existing spontaneous HTML reports with both reports stored in the C:\BEM\AutoReports\BemScore folder.

Enter Resu	ilts: Red Bull UCI Pump Track W	orld Champio	nships Qualifier						
Event	F1								Exit
Class	Men	Moto	Final		Heat	BIG FINAL			Exit
					LAP	TOTAL	SPLIT	Accept without check	
NAME		PLATE	PLACE	POINTS	TIME	POINTS	TIME	Accept	
	Bruno SCHMIDT	136	1st 🗸	1	23.095	0	0.000	Read Back	
	Peter FREEMAN	168	2nd ~	2	24.384	0	0.000	Clear	
								Race	
								Next	
								Previous	
								Class	
								Race	
								Next on Accept	
Race Comr	nent							Anticipate DNS	
15:12:10								Set Place by Time	
Transpond	er and Camera Control					_		Stopwatch Pop up Auto Read Back	
Single		Settings	Review Passing		Lap Time	Auto		Auto Process Stage	
Single .	Import	Securigs	Review Passing		cop mic	Auto		✓ 15 min Finish to Score Check	
						Auto	Run Round	Write Lynx LIF on Accept	
	ito Import Transponder Passings Files ngs File 1 C:\BEM\Passings\Sta		h.txt					Do not select Write Lynx if you don't know	
	-							what this option does! Riders Sorted by	
	ngs File 2							Plate	
	Report Selection							O Moto Points	
	HTML + JSON 0 Results, 8 Each Race	ach Race	0 Results, Ead	h Class	▲ 1 Run ▼	off 🛉	0 Class	Next Stage O Name	

RRD

- Adds a new facility to generate operator initiated Json format results from Auto Reports menu. The available Json reports are highlighted when the JSON File option is selected I.e.
 - Moto Results
 - One Round
 - Full Results
 - Time Trial



Changes from 11.21.1 to 11.21.3

- Protective patch to prevent an error when scanning a QR code when the cursor is not in the licence number field.
- Correction to prevent an error when doing an "Update Details" where either a Category or Club is not selected.
- Correction to the Series program where an error can occur for a printed series report where a Series Sponsor is specified.
- Update to the Json Start List reports from RRD.
 - Time Trial report now has a selectable format to show either single riders in start order or grouping of riders per category.
 - Correction to the Final round start list where the Json format had a syntax error for categories with more than a single A final.

Changes from 11.21.0 to 11.21.1

- Updated Event Sanctioning data for non BMX AusCycling memberships and EntryBoss default membership levels.
- Add operator warning in RRD should the system generated "Upload Complete" message fail when auto upload of results to SportsLists is used.
 Note that this issue has only been seen on Windows 7 computers missing a Microsoft update. Should you receive this error, please contact Lyndon@moto-sheets.com for details to apply the Microsoft solution.

Changes from 3.11.5.0 to 11.21.0

• Change in version numbering convention reflecting the two BEM streams. First number indicates the stream: 10.xx.xx series for general release.

11.xx.xx series, restricted distribution to licenced timing company operators.

xx.21.xx Second number indicates the rule compliance year.

xx.xx.1 Third number is the incremental release number.

For the most part, the 10 and 11 series updates will be released concurrently.

• For Australian users, added legacy Cycling Australia and MTBA membership levels in the entry validity check against the event sanctioning level.

RRD

- In the Json start list reports, separate Category, Round and Heat into separate fields.
- Correct display issues in the SportsLists results where:
 - Individual stage results did not always show the correct heat in the draw information.
 - Full results for Sprocket categories and classes without a final may not always have the moto results data matching the headings.

Changes from 3.11.4.5 to 3.11.5.0

- Update for UCI 2021 Rule changes.
- Add check that the number of starting lanes is set to 2 when any Pump Track Class Codes are used in the event.
- For Australian users.
 - Cater for encrypted Rider List Files.
 - Add AusCycling membership type checking against the 2021 AusCycling Rule Book event sanctioning.

Changes from 3.11.4.4 to 3.11.4.5

- Correction to a debug error that occurs when generating a Time Trial report where two timed runs are used, the better time from the two is used and any rider has a lap time > 59.999 seconds.
- Changes when Australia is selected as the Association in preparation for transition from BMXA to AusCycling.
 - Adds QR code scanning of AusCycling virtual membership cards, initially with the TidyHQ CA format.
 - Changes the method of validation of an entrant's membership type for event eligibility by cross referencing the membership type with the event sanctioning level.

Changes from 3.11.4.3 to 3.11.4.4

This release corrects two faults associated with Add / Review entries and therefore all BEM 3.11 users are requested to update to the 3.11.4.4 version at the earliest opportunity.

- Correction to a debug error that occurs when in Add Entries, doing and Add All and then clicking on the change to Review Entries button.
- When doing an Add All entries and selecting Yes to the skip duplicate entry prompt, individual prompts for all duplicates found was still being given.

Changes from 3.11.4.2 to 3.11.4.3

• Correction to a fault introduced with 3.11.4.0 where debug errors can occur in Add Entries or Review Entries.

Changes from 3.11.4.1 to 3.11.4.2

- Added a Groups and Runs export for Orbits5 (X2 decoders) which has different requirements to the existing Orbits Cycling export.
- Changed the field allocations in the Orbits Groups and Runs export to avoid conflicts when multiple categories are exported to the one Practice session. Field "No" now contains the race plate number and "registration" the internal BEM Tlink number which is unique for each entry.

- Corrected an omission where the Category name was not shown in the operator prompt when selecting the start order option for Timed Runs in Pump Track events.
- Corrected a problem introduced in 3.11.4.0 when there are more than 32K entries in the Rider List File and a rider at the upper end of the list is selected.

Changes from 3.11.4.0 to 3.11.4.1

• Added logos to the Registration screen to allow for sponsor visibility. The default logos can be replaced with up to four user specified .bmp logos.

Screenshot shows default logos with Australia as the Association selection. To add you own logos, put the appropriate .bmp files in C:\BEM\UserData\BEM Registration Screen bmp logos folder and change the logo option to User Defined.

2017 BMX	O Gatorade Cou	ntry Championships					×	1	User logo files
Licence		Expires	Gatorade	Entry Paid		Print + Reg			
Form Re		<u>EAUII 63</u>	Class	Label	Register I sponder Registered	C A6 C Receiot	AUSCYCLING	Ź	RegLogo1.bmp
							Bmx Event Manager	Ĺ	RegLogo2.bmp
							PORTE S	Į	RegLogo3.bmp
Scan or	Enter Licence	C Auto Register	Entries: 257	Registered: 0	DelAI	Close	MOTO-SHEETS.COM	Ź	RegLogo4.bmp

• Changed user defined logo files for left and right headers from .jpg to .bmp for consistency across BEM and BemTrain with specific folders provided under the C:\BEM\UserData folder for each function for easier management of the logo files.

🗸 📙 UserData

BEM Registration Screen bmp logos

BEM-RRD-Series Report bmp logos

- BemTrain Scoreboard bmp logos
- Corrected a missing change in 4.11.4.0 that resulted in the rider's expiry date not being shown in the Registration screen where the Rider List file had more than 32K entries.

Operating System Requirements

The recommended PC environment is:

Operating System: 32 or 64 bit versions of Windows XP, Vista (OK but best avoided if possible), Windows7 and for Windows 8 & 8.1 and Windows 10, full versions, not the RT tablet versions.

If you are using BEM in a networked environment to run transponder timing or the RRD program, use of the Professional rather than the Home versions of Windows are strongly recommended.

Microsoft Office: Office 2003, 2007 or Office 2010.

Note that BEM does not run on Office 2013, 2016 or Office 365 as Microsoft have not maintained full backwards compatibility with Office 2010, 2007 and 2003 versions.

For new PCs that come pre-installed with an Office version later than 2010, the following options are suggested.

- 1. If you don't have a specific requirement for the new facilities in the pre-installed version Office and haven't paid the licence fee for that:
 - a. Totally remove Office from the PC.
 - Buy and install a legitimate version of Office 2010 from eBay or from a download retailer such as <u>https://www.ecrater.com.au/p/30522352/microsoft-office-2010-pro-plus-32-64-</u> <u>bit?gps=1&id=115926669379&keywords=&gclid=CjwKCAjwm4rqBRBUEiwAwaWjjK60coZew</u> <u>2EOxi9W_eodOHFfGc8FKc4vya1IbS3VT41eix1YEFxqnBoCRJgQAvD_BwE</u> or <u>https://theunitysoft.com/product/office2010proplus/?gclid=EAIaIQobChMI07_I7NXN4AIVGK6</u> WCh2pWwWhEAYYBCABEgJcpvD_BwE

Typically a legitimate licence is available for around \$10 - \$30, significantly cheaper than the Office 365 / 2016 licence that Microsoft would like you to purchase.

- 2. If you need to keep the pre-installed Office version on the PC with either Win7, Win8 or Win 10.
 - a. Do a partial installation of Office 2010 installing only Excel 2010 which will happily co-exists with later Office versions.
 - b. To get BEM to open with Office 2010 when you also have later Office versions installed then either:
 - i. Open Excel 2010 before clicking on the BEM icon.
 - ii. Set up your own shortcuts to BEM, RRD, Series and Toolbox that direct to Office 2010. Note that in some PCs, particularly non-english language versions of Windows, the path to Office14 Excel may be different to this example.

Typical Shortcut Target when Office 2010 is a 32bit installation

BEM

"C:\Program Files (x86)\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Event\3.11.x\Bem2K3.xls" **RRD**

"C:\Program Files (x86)\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Report\3.11.x\Rrd2K3.xls" Series

"C:\Program Files (x86)\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Event\3.11.x\Series2K3.xls" Toolbox

"C:\Program Files (x86)\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Toolbox\BEM_Toolbox3.xls"

BemTrain

 $"C:\Program Files (x86)\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\BemTrain\BemTrain.xls" "C:\BEM\Programs\BemTrain\BemTrain\BemTrain\Alpha "C:\BEM\Programs\BemTrain\BemTrain\BemTrain\Alpha "C:\BEM\Programs\BemTrain\BemTrain\BemTrain\Alpha "C:\BEM\Programs\BemTrain\Bem$

Typical Shortcut Target when Office 2010 is a 64bit installation

BEM

"C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Event\3.11.x\Bem2K3.xls" RRD

"C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Report\3.11.x\Rrd2K3.xls" Series

"C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Event\3.11.x\Series2K3.xls" Toolbox

"C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\Toolbox\BEM_Toolbox3.xls"

BemTrain

"C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" "C:\BEM\Programs\BemTrain\BemTrain.xls"

To add these shortcuts to the start menu, copy and paste or create the shortcuts in the following 'Hidden' folder:

C:\Users\username\AppData\Roaming\Microsoft\Windows\Start Menu\Programs

Now open Start Menu > All apps and locate the shortcut(s) you placed. Right-click on it and select Pin to Start.

The following preparatory actions if not already implemented from earlier releases of BEM will avoid compatibility problems.

- 1. Download and install the latest applicable Office 2003 / 2007 / 2010 service packs and updates. This is very important as there is a history of unpredictable operation should the latest Microsoft updates not be installed.
- 2. For users running Office 2007 and Office 2010.
 - 2.1. Include the C:\BEM path and any other locations where you save BEM files in the list of Excel Trusted Locations. Method:
 - 2.1.1. Open Excel.
 - 2.1.2. Select File then Options.
 - 2.1.3. Select **Trust Center**.
 - 2.1.4. Click on **Trust Center Settings...** button.
 - 2.1.5. Click on Add new location... button and add any required paths and select the Subfolders of this location are also trusted if appropriate and then click on OK to accept and close the dialog

Microsoft Office Trusted Location
Warning: This location will be treated as a trusted source for opening files. If you change or add a location, make sure that the new location is secure. Path:
C:\BEM\
Browse
Subfolders of this location are also trusted
Description:
Date and Time Created: 02/07/2012 5:38 PM
OK Cancel

2.1.6. . • Click on OK to close each of the dialogs until back in Excel which now can be closed.