

Getting Started Wintax 2.3

MAGNETI MARELLI MOTORSPORT

Getting Started with WINTAX

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1. Installation

To install Wintax you must have administrator rights. Make sure you have the correct permissions to perform the installation. If you have questions about this, ask your system administrator.

1.1. First time installation

Run setup.exe from the installer package.

Choose the install path where you wish to install WinTAX4.





Wintax asks to install ffdshow application with all drivers for video functionality. Install it as default option.

j Setup - ffdshow	
	ffdshow v1.1.3562 [2010-09-07] This will install ffdshow on your computer. It is recommended that you dose all other applications before continuing. Click Next to continue, or Cancel to exit Setup.
	Next > Cancel

j🚽 Setup - ffdshow	
Select Destination Location Where should ffdshow be installed?	()
Setup will install ffdshow into the followi	ng folder.
To continue, click Next. If you would like to selec	t a different folder, click Browse.
C:\Program Files (x86)\ffdshow	Browse
At least 1.3 MB of free disk space is required.	
	< Back Next > Cancel



Select your preferred language for Wintax.

Wintax4 - Install Wizard Setup Status		X
° WinTAXH	WinTAX4 is configuring your new software installation.	
5 6 4 3	WinTAX Language Selection	
O InstaliShield		Cancel

If at the end of the installation a reboot of the PC is prompted, please carry it out otherwise some components will not be installed correctly.

After the installation is complete, run WinTAX4.

Note: To run WinTAX4 correctly, the user must have administrator privileges.

REGISTRATION

Run WinTAX4. On the first run, a registration window will be presented requiring the user to insert a Registration ID and a password.



WinTAX ® Registration	
	۲
	Program / Version: WinTAX 4.72.08 Release Date: Client:
5	This is a licensed copy of which must be registered.
43	To enable program use WinTAX Password Generator to generate a password from the registration ID shown
	Registration ID:
0	Start WinTAX Register Later

The password is generated by MM Motorsport upon specific request in a limited number, as agreed.

Once received, enter the generated password and press Start WinTAX4. After the first successful start, WinTAX4 will not prompt again for a password.



1.2. Subsequent installation

Close Wintax.

Run setup.exe from the installer package. The installer package allows at users to Update/Repair the current installation or remove it. Select Update/Repair then continue.

WinTAX4 - InstallShield Wizard				X
Existing Installed Instances Detecte Select the appropriate application instanc	ed ce to update.			
	tup has detected one or m n maintain or update an exi Install a new instance o Maintain or update the i	ore instances of this applic sting instance or install a c f this application. nstance of this application	ation already installed on you ompletely new instance. selected below:	ur system. You
Contraction of the second seco	Display Name WinTAX4 (dir: WinTA	Install Location (X4) CAProgram Files\Mag	gneti Marelli Racing MotoGF	WinTAX4
•	•			••••••••••••••••••••••••••••••••••••••
InstallShield	< <u>B</u> ac	k <u>N</u> ext >		Cancel

If at the end of the installation a reboot of the PC is prompted, please carry it out otherwise some components will not be installed correctly.

After completion, run Wintax.



2. First Setting

2.1. Directories

Select Setup / General - Directories

Set the directories for each Wintax function.

Startup	set folder when you open data.
Acquisition	set folder where you download data
Log	set folder for *.log files
Data	
Host	set host directory folder for make a copy of data when you download from logger.
Import	
Export	set folder for export files
Work	

- Cair				
General (Defiault Appearance Real Time Special Cha	annels Video Options		
	Proxy DataSets	Directories		
Folder Type	Folder			
Startup	C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\Data			
Acquisition	C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\Data			
Log	C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\log\			
Data				
Host	d:\users\F64330A\Desktop_temp\			
Import				
Export	C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\Export\ C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\Work\			
Work				



2.2. User

Select General / User / Configure User for User properties.

Ele Edt Help Add/Remove User Users Default User Settings Level: Seture User Level	🙎 User Setup	
setup	Ele Edit Help Add/Re	Coptions User Settings User Settings User Level: User Level User

2.3. Import USER Snapshot

User can import and export snapshot.

Importing user (.zss extension) you can start from a pre-defined layout/window/channel/parameter and so.



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During import, confirmation question are asking to overwrite local file with the user one, confirm with yes/yes to all.

2.4. Special Channels

Special Channels is the channels that it must be set for different Wintax functions. Like switch X axis from time to distance, check gear shift, circuit window, etc etc... Select Setup / General – Special Channels

Elle Edit View Help	
	, BB -
General Options Default Appearance Real Time St	pecial Channels Video Options Proxy DataSets Directories
Special Channels	
Distance (m): sLapF	Use default distance channel
Speed (km/h): vVehicle	Throttle: rThr1A
Lateral Acceleration (g): GIP_AccY	Gear: NGear
Longitudinal Acceleration (g): GIP_AccX	
Calculate track sections with "Split channel":	
Track Options	
Computation mode: Standard (Speed / Acceleration)	
*	_

These channels depend from your device. For proper setting you may need at least one data opened.



3. Data Download

ON TCR application the IP address default in CLX (and this should be changed by user) is **192.168.0.254** subnet mask **255.255.0**.

ECU doesn't have DHCP on it, user must force ethernet IP to fixed IP according with setting in CLX.

3.1. Wintax4 Acquisition Manager

Open Acquisition Manager for downloading data from the logger. Select Acquisition / Acquisition Manager, then a new window will be opened.



Data path folder is used for changing the data download folder like General Setup while Session and Run Name are simple shortcut to Setup Acquisition menu.



3.1.1. Setup Acquisition

Set in Setup Acquisition window all the information about your Session, Device, comunication line Setup and Acquisition Mode.

As Wintax4/Data default path folder for data downloading, the data can be archived like:



It can be also modified in Session information.



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Setup Acquisition				X
<u>File</u> <u>D</u> evices				
🖉 🛩 🔀 🔝 🖬 🖬 🖻] + +			
Session	🖉 Device Details	🔁 Offsets & Gain K Constants	📑 User Records	
Devices	Manual entry vehic	de name - search for devices available o	n network	
TCP	Device Alias:	DYNO	Search	
DVR	Driver Name:	Name Surname	-	
Acquisition Mode	Driver Comment:		-	
	Engine Name:	Engine 001	-	
	Box Number:	0		
	5			

3.1.2. Download data from logger

Click on Activate MARVEL for turning on the communication between Logger and Wintax, then select the device, which you want to downalod data from. The Activate TCP icon becomes green as soon as the system detects the connection as available.

If Autodownload function is enabled, only the new data will be downloaded (if the folder is empty all logger data must be downloaded).

If not, you have to click on Download Data from logger and select which data you want to download. A New window is opened and it can be selected in the list of all data currently stored in the logger.





Click on Clear data MARVEL if you want to delete all data inside the logger.

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4. Open Data

4.1. Wintax4 Data Browser

Select *File / Open Data*.

Wintax Data Browser window will be open at the folder path you have set in General Setup.

	40.1.0	450.07											×
wt wt	x4DataB	rowser - 4.50.07									State of the local division of the local div		
File	Edit	View Tools					\sim	Op	en data				
0	8 🖉	C:\Program File	s\Magneti Marelli Ra	cing MotoGP\WinTAX4\Data	- 🖓	🛛 🗖 All	- 4	>(∕ ∢)	1- 🕀 🛛 🗞 🕯	5. 🗹 🖾	🐁 🥏 🗟	🐗 🤣 💁 🖠	
C:VPr	ogram File	es Magneti Marelli Raci	ng MotoGP\WinTAX4\D	ata 👻 🖌 🔪 🗶	A. Ru	n Lap	Lap Time	Marker	Date	Start Time	Run Name	Table	
	Senand	-1			47	1	2:35.085	Test	07/02/2013	06:41	Out1	b028_Sepang_03 v.2	
	D ED1	j.	pa	th data folder	47	2	2:05.668	Test	07/02/2013	06:44	Out1	b028_Sepang_03 v.2	
		DVNO			47	3	2:05.509	Test	07/02/2013	06:46	Out1	b028_Sepang_03 v.2	
	in a state of the	Run 047 Out1 .			47	4	2:05.589	Test	07/02/2013	06:48	Out1	b028_Sepang_03 v.2	
		Bun 050 Out2			47	5	2:05.344	Test	07/02/2013	06:50	Out1	b028_Sepang_03 v.2	
					47	6	1:18.780	Test	07/02/2013	06:52	Out1	b028_Sepang_03 v.2	
	Track				50	1	2:36.805	Test	07/02/2013	08:57	Out2	b028_Sepang_03 v.2	
	Sec.	sion			50	2	2:04.816	Test	07/02/2013	09:00	Out2	b028_Sepang_03 v.2	
		Device			50	3	2:04.805	Test	07/02/2013	09:02	Out2	b028_Sepang_03 v.2	
		Run Name			50	4	2:20.113	Test	07/02/2013	09:04	Out2	b028_Sepang_03 v.2	2
			D	restory Trees area	50	5	2:04.526	Test	07/02/2013	09:07	Out2	b028_Sepang_03 v.2	
			D	rectory Tree area	50	6	2:04.877	Test	07/02/2013	09:09	Out2	b028_Sepang_03 v.2	
					50	7	1:21.393	Test	07/02/2013	09:11	Out2	b028_Sepang_03 v.2	
Track	c	Session	▲ Date	Comment Len									
💕 Sej	pang1	FP1	07/02/2013	5548									
💕 Sej	pang1	FP2	07/02/2013	5548									
			Session Info	rmation area									
	Session mornation area										I and the form	6	
											Lap Infor	mation area	
•					•								
						No Data							
Ready		Info: Loaded: none Cached: 13 Refreshed NUM											

Select one or more laps that you want to open and click enter or press Open Data icon.



						Add 1	to comparis	son				
				Open d	ata 🔔			1	Cle	ear compari	son	
Wtx4DataBrov	vser - 4.50.07											
<u>File E</u> dit <u>V</u> ie	ew <u>T</u> ools							<hr/>				
📴 🕄 👳 📔 C:\Program Files\Magneti Marelli Racing MotoGP\WinTAX4\Data 🔄 📌 🔯 All 💿 👽 💝 😽 🗛 🗞 🔽 🗟 象 🎓 💘 🖪 🧔 🚱												
Edergram Eles Magneti Marceli Bagging Matheway Marceli Marceli Bagging Matheway and Start Time Run Name Table								Table				
E Senanal					47	1	2:35.085	Test	07/02/2013	06:41	Out1	b028_Sepang_03 v.2
				- A	47	2	2:05.668	Test	07/02/2013	06:44	Out1	b028_Sepang_03 v.2
	NO			=	47	3	2:05.509	Test	07/02/2013	06:46	Out1	b028_Sepang_03 v.2
	Rup 047 Out1				47	4	2:05.589	Test	07/02/2013	06:48	Out1	b028_Sepang_03 v.2
	Run 050 Out				47	5	2:05.344	Test	07/02/2013	06:50	Out1	b028_Sepang_03 v.2
	Kun_050_0012			-	47	6	1:18.780	Test	07/02/2013	06:52	Out1	b028_Sepang_03 v.2
Track	Session	▲ Date	Comment	Len	50	1	2:36.805	Test	07/02/2013	08:57	Out2	b028_Sepang_03 v.2
Sepang1	FP1	07/02/2013		5548	50	2	2:04.816	Test	07/02/2013	09:00	Out2	b028_Sepang_03 v.2
Sepang1	FP2	07/02/2013		5548	50	3	2:04.805	Test	07/02/2013	09:02	Out2	b028_Sepang_03 v.2
					50	4	2:20.113	Test	07/02/2013	09:04	Out2	b028_Sepang_03 v.2
					50	5	2:04.526	Test	07/02/2013	09:07	Out2	b028_Sepang_03 v.2
					50	6	2:04.877	Test	07/02/2013	09:09	Out2	b028_Sepang_03 v.2
					50	7	1:21.393	Test	07/02/2013	09:11	Out2	b028_Sepang_03 v.2
(- F								
1 Track-Senand 1	Session:EP1 Da	te-07/02/2013 Commen	t. en: 5548 Abs	143 Run 50 Lar	•4 Lan Tim	-• 2 •20 1	13 Marker:Tes	t Date:07/	(02/2013 Start T	ime:09:04 Run	Name:Out2 Ta	ble-b028 Senand 03 v 2
Endedbegeng Session Figure 2010/2013 (2010) Ended 2010 (2010) E												
teady Info: Loaded: none [Cached: 13 Refreshed NUM								freshed NUM				
Comparison laps selected												

4.2. Data Compare

Clear data open clicking on Clear Comparison, Select first lap and click Add to comparison, select second lap and Add to comparison, select third lap etc etc.. until maximum 10 laps selected. Open data icon for open the comparison.





All functions used for a single lap will be also available in comparison mode.



5. Layout

5.1. To create a new layout

Select File / Layout Wizard and choose the kind of layout you want to create.

Layout Wizard		
Layout Templates: Empty Layout 1 Graph window 2 Graphs windows 4 Graphs windows Track XY XYZ Histogram Channels Numeric Table Diagnostics Bargraph Gauge G-G Steering Wheel Lap Report Sections Time Report Events Report Diagnostics Report Diagnostics Report Trend Map Histogram FFT Analysis Bitmap Condition Light	EMPTY Description: Create an empty layout.	
	Create Cancel	

Then save with a new name.

Select in Graphs Menu the kind of windows.

Select *View / Channel Browser* for open channel browser window. Here select the channel to import in graph using Drag & Drop metod.

Drag and Drop system is to select the channel by clicking on it with the left mouse button and always holding it down, drag it to the Graph widows.

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Save the modified graph and/or layout by the File menu.

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5.2. To load an existing layout

Select *File / Load Layout* for choose the layout for load, ore use *Configure layout bar* icon in the layout toolbar.

Change User
AGO_MotoGP AGO_MotoGP Traction_Control.wly Select layout Configure layout bar
💄 AGO_MotoGP 📃 🖳 🔛 🗊 📻 🎻 🐑 💿 🦘
Layouts Layouts Ign_Diagnostics.wly Diagnostics.wly Diagnostics.wly Engine_Brake.wly Engine_Brake.wly Lap Report.wly Traction_Control.wly GearPos.wly UpDown_Shift.wly Wheelie.wly
Options:

It is possible to load layout only from the current USER.

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You can also move and organize the layout bar.

5.3. Window Properties

All properties of each window is configurable. Editing is available by right click button of the mouse.





Window layout is selectable.



Max & Min values and overall range can be set.

Se Max Min: Engine_03.gra									
Selected Lap Loaded									
Time Start: 01:34:148 - Time End: 01:50:045									
Name	Min	Min X	Max	Max X	Avg	Avg(abs)	StdDev	Resolution	Samples
EngRPM	6135	01:37:165	14443	01:43:365	11209	11209	2706	0	3180
rThrottle1	0.2	01:49:700	100.1	01:45:810	60.7	60.7	41.5	0.0	3180
vWheelFront	76.2	01:37:380	292.7	01:49:050	182.2	182.2	75.3	0.0	3180
vWheelRear	76.9	01:36:865	307.9	01:48:850	193.1	193.1	78.6	0.0	3180
NGear	2	<u>01:34:155</u>	6	01:47:055	3	3	2	1	1590

All these functions are also available in the Graph Toolbar.

] 🖬 🛃 🖉 🔍 🄍 🔍 🔍 🔍 🧠 🤫 🧶 + 海 + | 🔙 💊 🖉 🖉 + 🚊 🔒 + 👖 + 🖄 🗔 🔯 🖉 🐼 🐼

Check the *Help* for more information.



5.4. Circuit

Select *Tool / Track Editor* to load the circuit map (*.crt file) and check/modify setting of the circuit.

🦻 Track Editor	
File Track Track Sections Help	
Apply 🔯 🗄 🗸	
🔀 Cancel	
Load Track	Preview: Circuit
Unselect Current Track Distance Time	Sepang
Save Track As (m) (s)	
Export to CRT	\frown
Load Track Sections	
Save Track Sections As	
Shift All Track Section (m): 0 Apply	
-Track Sections Numeration	
Show All O Show Straight O Show Corner O Show Custom	
Numeration mode: 1,1-2,2, 💌	
First sector type: Straight	
- Track Orientation	
0° 180° 360°	
Track Setup Auto Generate Track Sections	_
tana and a second se	

In *Track Setup* the circuit can be also generated by the way it is previously set in *Setup / General – Special Channels*.

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The circuit can be showed in a layout window, it can be loaded by *Graphs / Track Window* or overlay on the wintax mainframe by *Pop Up Track* function. It is also possible to select it as trasparent by *View / Pop Up Track*.



