






IsoMatch FarmCentre

 Identification of the machine	
 Preface	
 Symbols used	
 Safety information	
Safety decals	5
General safety information	5
Intended use	7
 Getting to know the product	
IsoMatch products	9
Products delivery IsoMatch Mobile 4G	10
Dimensions and cable length	11
Technical specifications	12
Products delivery IsoMatch Wireless PRO	15
Dimensions and cable length	16
Technical specifications	17
Compatibilty and system requirements	22
Inserting SIM card	23
IsoMatch Mobile USB stick positions on IsoMatch Tellus PRO	24
Connecting IsoMatch Mobile USB stick on IsoMatch Tellus PRO	25
IsoMatch Wireless PRO USB stick positions on IsoMatch Tellus PRO	26
Connecting IsoMatch Wireless PRO USB stick on IsoMatch Tellus PRO	27
LED connection indication states	28
IsoMatch Mobile dongle connectivity problem diagnostics	29

Time zone, time and date setting on the terminal	30
➔ Registration and login at My Kverneland or My Vicon	
Getting started by registration	33
Getting started as a user	36
➔ IsoMatch FarmCentre	
➔ Terminal license registration	
➔ IsoMatch FarmCentre Website	
Settings	53
Profile settings	53
Terminals settings	55
Add a terminal	56
Implements settings	57
Transfer ownership	58
SIM Cards	59
Permissions	62
Add user	63
Tracking	65
Fleet screen	67
Tracking history screen	68
Task Centre	70
Open tasks	70
Send TaskData	71
Generate reports	74

Taskdata report	76
Messages	78
Tools	79
→ IsoMatch FarmCentre on IsoMatch Tellus PRO	
IsoMatch FarmCentre connection states	83
Telematics user interface connection details	85
IsoMatch FarmCentre task data files	89
→ Remote Data Management	
Import task data from the IsoMatch FarmCentre server	92
Export task data to the IsoMatch FarmCentre server	96
→ Troubleshooting	
Technical failure: What next?	99
Troubleshooting IsoMatch Mobile connectivity issues	100
Troubleshooting IsoMatch Wireless connectivity issues	101
Troubleshooting GPS signal issues	102
Troubleshooting on implements issues	103
Troubleshooting TaskData issues	104
Troubleshooting on permissions issues	105
Troubleshooting on sending Taskdata issues	106
→ Cleaning and storage	
→ Disposal	
→ EC-Declaration of Conformity	

USER MANUAL

IsoMatch FarmCentre

Identification of the machine

In order to give the best possible product support, your dealer requires several details regarding the terminal specification.

Designation

IsoMatch FarmCentre

Article number

BB IsoMatch FarmCentre A136198300

Software version

IsoMatch FarmCentre V1.06.1.1

Manufacturer's address

Kverneland Group Mechatronics BV.
Hoofdweg 1278
NL-2153 LR Nieuw Vennep
The Netherlands

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Preface

Target group of this manual

This operation manual is meant for those concerned with the control, use and maintenance of the product. It contains all data required for a safe handling, use and maintenance of the product.

For your safety

Before carrying out any adjustments and use of this product, familiarise yourself with this operation manual. By doing so your safety and the optimum performance are assured. It is very important to read this manual carefully before using the product and keep it to hand for reference. In this way you will avoid accidents, respect the warranty conditions and always have a functional device in perfect working order.

For the employer

All personnel are to be trained in the use of the product regularly (at least once a year) in accordance with employers' liability insurance association guidelines. Untrained or unauthorized individuals are not permitted to use the product.

You are responsible for the safe operation and maintenance of your product. You must ensure that you and anyone else who is going to operate, maintain or work around the unit be familiar with the operating and maintenance procedures and related safety information contained in this manual.

Symbols used

In this operation manual the following symbols and terms are used:

● A bullet represents enumerations.

▶ A triangle represents mandatory steps.

↪ An arrow represents cross references at other text passages.

Besides these symbols, pictograms are used, which will help you with the location of text passages:

Tip! This word shows tips and advices for the easy use of the machine/product.


 The triangle refers to danger at assembling or adjusting work of the machine/product.

Safety information

Safety decals

This chapter describes general safety information regarding this product.


 For your safety, safety decals are placed at significant places on the device. Please do not remove them. If they become illegible or begin to peel off, replace them with appropriate spare stickers.

 When using a high pressure cleaner, do never aim the spray directly at the product.


General safety information

 Read and understand the following general safety information. Specific safety information is pointed out throughout this manual.


Read and follow the instructions

 Before starting to use the product, read the operation manual and follow the instructions. Failure to follow the instructions may lead to damage or injury.


Only qualified personnel

 Installation, operation and maintenance may only be performed by qualified personnel that is trained in installation, operation and maintenance of the product.


Check technical failure

-  Before starting to use the product, check that it is in perfect working condition. In case of defective components, contact your dealer for repair and replacement. Defective components may cause failure, leading to damage or injury.


Keep in good working condition

-  Keep the product in good working condition.


Use original spare parts

-  Only use original Kverneland Group spare parts. Using other products may lead to malfunction of the product or reduced safety. Warranty is not valid when non-original spare parts are used.


Do not open the product

-  Do not open the product housing. Opening the housing may result in reduced lifetime and malfunction of the product. Opening the product renders warranty void.

Check cables

-  Check cable condition, replace damaged cables before connecting the product. Damaged cables may lead to damage or malfunction of the machine/product.

Disconnect power supply during maintenance

-  During installation or maintenance work, disconnect power supply from the battery. Otherwise damage to the product may occur.


Watch the temperature range

 Watch the temperature range of the machine/product:


- **Storage temperature** -40 to +70 degrees Celsius.
- **Operation temperature** -20 to +55 degrees Celsius.

Extreme high or low operating temperatures may lead to malfunction of the product.


Intended use

 This device is designed for use in agricultural or similar operations. Any other use of the device is unintended use. The manufacturer and dealer are not liable for damage or injury caused by improper use.

Cleaning the product

 Keep the product clean in all conditions. Clean the product with a dry or slightly damp cloth.

Storing the product

 When the product is not mounted on the tractor, store it in a dry and clean place. Obey the storage ambient temperature range.

Troubleshooting

When technical failure occurs



▶ stop operation!

▶ refer to ➡ **troubleshooting** to solve the problem!

▶ when the problem persists, contact your local dealer!



Continuing to operate when technical failure occurs may lead to damage to the device!

Getting to know the product

IsoMatch products

The IsoMatch product range is developed for monitoring, operation and control of Kverneland Group agricultural implements.

IsoMatch FarmCentre establishes a connection between the implement and the internet for...

- communicating with the FarmCentre server via IsoMatch Mobile 4G or IsoMatch Wireless (Wifi)
- collecting implement machine data on the server
- sending task data via the FarmCentre website to the terminal
- uploading taskdata result from the terminal to the FarmCentre server
- GPS tracking of the terminal (tractor)
- sending alerts (DTC's) from the implement to the FarmCentre server
- generating simple reports on the FarmCentre server from the task data results

Products delivery IsoMatch Mobile 4G

BB ISOMATCH MOBILE 4G A136190000



USB stick IsoMatch Mobile 4G



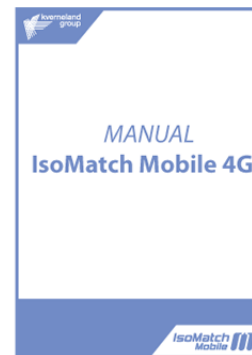
SIM card



Velcro tape



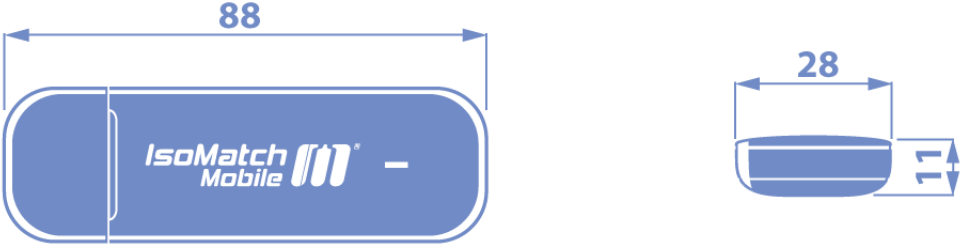
USB extension cable



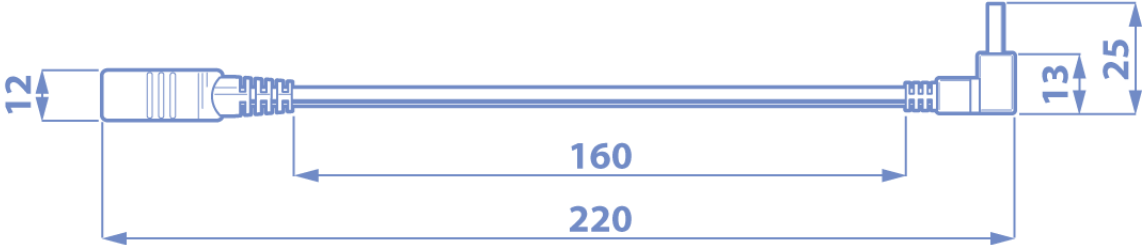
Quick start manual
IsoMatch Mobile 4G

Dimensions and cable length

USB STICK ISOMATCH MOBILE 4G



USB EXTENSION CABLE



Technical specifications

Subject	Item	Description
General features:	Technical standard LTE	R9
	HSPA+/HSDPA/HSUPA/WCDMA	R8
	4G Band	B1/B3/B7/B8/B20
	3G Band	B1/B8
	2G Band	850/900/1800/1900
	Output power	LTE 23dBm (Power Class 3)
		HSPA+/HSDPA/HSUPA/WCDMA +24dBm(Power Class 3)
	Sensitivity	LTE: Compliant with 3GPP TS 36.101 (R9)
		HSPA+/HSDPA/HSUPA/WCDMA +: Compliant with 3GPP TS 25.101 (R8)
	Power supply	5V / 700mA

Subject	Item	Description
	Dimensions	88mm x 28mm x 11.5mm
	Weight	<50g
	Antenna	built-in antenna, supporting diversity for 3G/4G
	LED	Indicating network signal
	AT commands	3GPP TS 27.007 and 27.005, Huawei extended AT command
	Supported OS	LINUX (kernel version equal or above 2.6.21)
Applications:	MS237h-153	MS237h-153 can be integrated with POS machines, meters, medical equipment, etc., to achieve data transmission, remote message management, voice and online upgrades and other functions.
Data Features:	LTE	DL 150Mbps/UL 50 Mbps
	DC-PA+	DL 42Mbps

Subject	Item	Description
	HSPA+	data service of up to 21.6 Mbps
Additional features:	Upgrading	Online software upgrade
	Device management	Remotely manage the device via SMS (need customization)
		Notes: MS2372h does not support SMS text messaging and remote management capabilities at the same time.
Interfaces:	USB	USB (Type A)
	SIM Card	Standard SIM/USIM Card (2FF)
	Ports	External antenna port
Approvals & Certifications		CE/GCF

Note! Please refer to the latest version of Hardware Guide about the specifications.

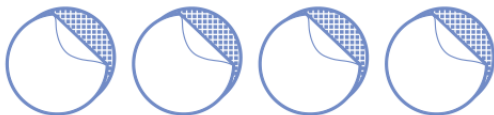
Huawei reserves the right to make changes or improvements to any of the products without prior notice.

Products delivery IsoMatch Wireless PRO

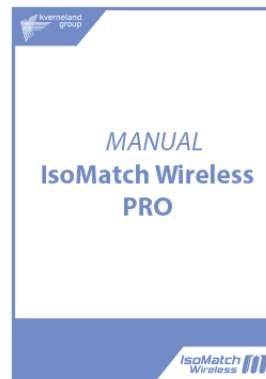
BB ISOMATCH WIRELESS PRO A136184800



USB Wireless adapter



Velcro tape



Quick start manual
IsoMatch Wireless PRO



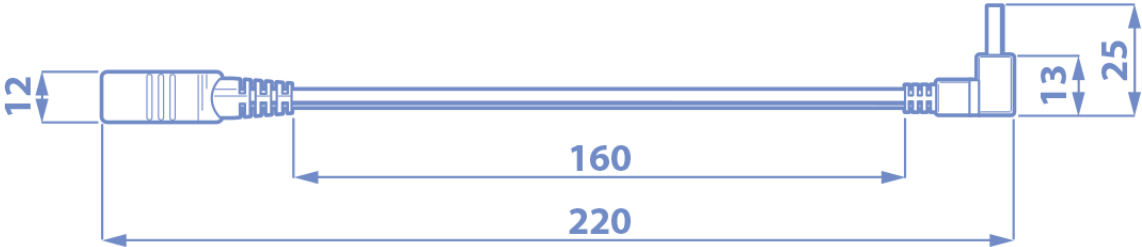
USB extension cable

Dimensions and cable length

USB WIRELESS ADAPTER



USB EXTENSION CABLE



Technical specifications

Subject	Item	Description
General features:	Standard	802.11a/b/g/n
Chipset:	Mac/BB/RF	Ralink RT5572
Host Interface:		USB 2.0
Radio:	Antenna	Integrated printed antennas, 2T2R 802.11a ISM Band: 5.150 ~ 5.825GHz
	Operating Frequency	802.11g ISM Band: 2.400 ~ 2.4835GHz *subject to local regulations 802.11b: DSSS (DBPSK, DQPSK, CCK)

Subject	Item	Description
	Modulation:	802.11a/g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
	ANT1:	802.11a: 13dBm \pm 2dBm@54Mbps 802.11b: 17dBm \pm 2dBm@11Mbps 802.11g: 15dBm \pm 2dBm@54Mbps 802.11an (HT20): 12dBm \pm 2dBm@MCS7 802.11an (HT40): 12dBm \pm 2dBm@MCS7 802.11gn (HT20): 13dBm \pm 2dBm@MCS7 80.211gn (HT40): 13dBm \pm 2dBm@MCS7

Subject	Item	Description
	Output Power	ANT1: 802.11a: 13dBm \pm 2dBm@54Mbps 802.11b: 17dBm \pm 2dBm@11Mbps 802.11g: 15dBm \pm 2dBm@54Mbps 802.11an (HT20): 12dBm \pm 2dBm@MCS7 802.11an (HT40): 12dBm \pm 2dBm@MCS7 802.11gn (HT20): 13dBm \pm 2dBm@MCS7 80.211gn (HT40): 13dBm \pm 2dBm@MCS7 ANT1: 802.11a: \leq -71dBm@54Mbps 802.11b: \leq -88dBm@11Mbps 802.11g: \leq -74dBm@54Mbps 802.11an (HT20): \leq -71dBm@MCS7 802.11an (HT40): \leq -71dBm@MCS7 802.11gn (HT20): \leq -72dBm@MCS7 802.11gn (HT40): \leq -69dBm@MCS7

Subject	Item	Description
	Receive Sensitivity	ANT2: 802.11a: $\leq -70\text{dBm}@54\text{Mbps}$ 802.11b: $\leq -88\text{dBm}@11\text{Mbps}$ 802.11g: $\leq -74\text{dBm}@54\text{Mbps}$ 802.11an (HT20): $\leq -70\text{dBm}@MCS7$ 802.11an (HT40): $\leq -70\text{dBm}@MCS7$ 802.11gn (HT20): $\leq -73\text{dBm}@MCS7$ 802.11gn (HT40): $\leq -70\text{dBm}@MCS7$
Power consumption:	Continue TX	Max 450mA@2TX
	Continue RX	Max 175mA@2RX
Operating voltage:		DC 5V \pm 10%
Environmental:	Temperature Range	0 ~ 50°C (Operating) -10 ~ 70°C (Storing)
	Humidity (Non-Condensing)	5 ~ 90% (Operating) 5 ~ 95% (Storing)
Physical specification:	Dimensions	76.9mm x 26.1mm x 10.7mm
	Weight	< 10g

Subject	Item	Description
Software:	Driver	Windows XP /Vista/ Win 7, Linux
	Security	WEP, WPA, WPA2, WPS

Compatibilty and system requirements

System compatibility

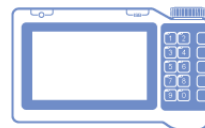


IsoMatch Tellus

not
compatible!



IsoMatch Tellus PRO



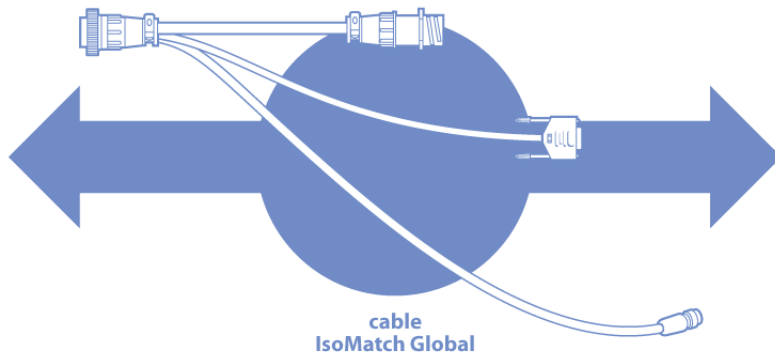
IsoMatch Tellus GO

not
compatible!

System requirements



IsoMatch Tellus PRO



antenna
IsoMatch Global

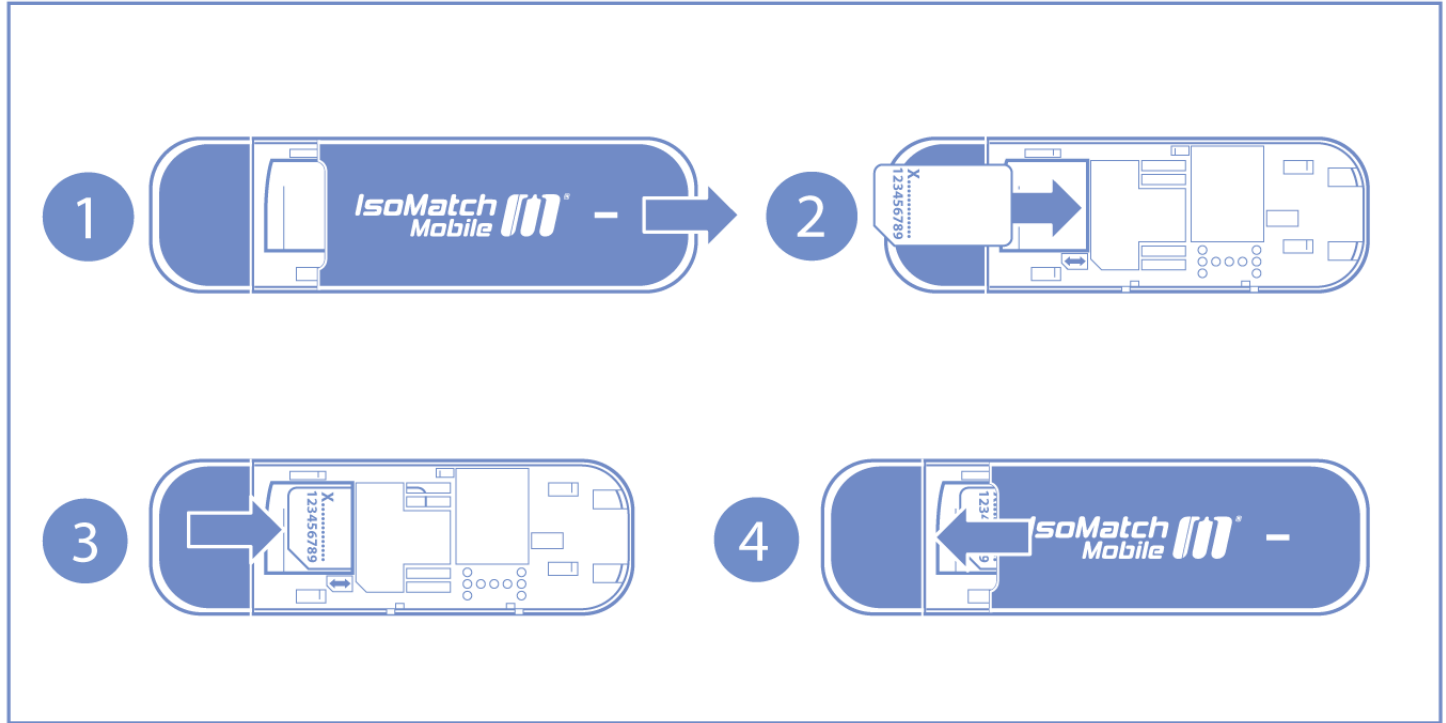


antenna
IsoMatch Global PRO



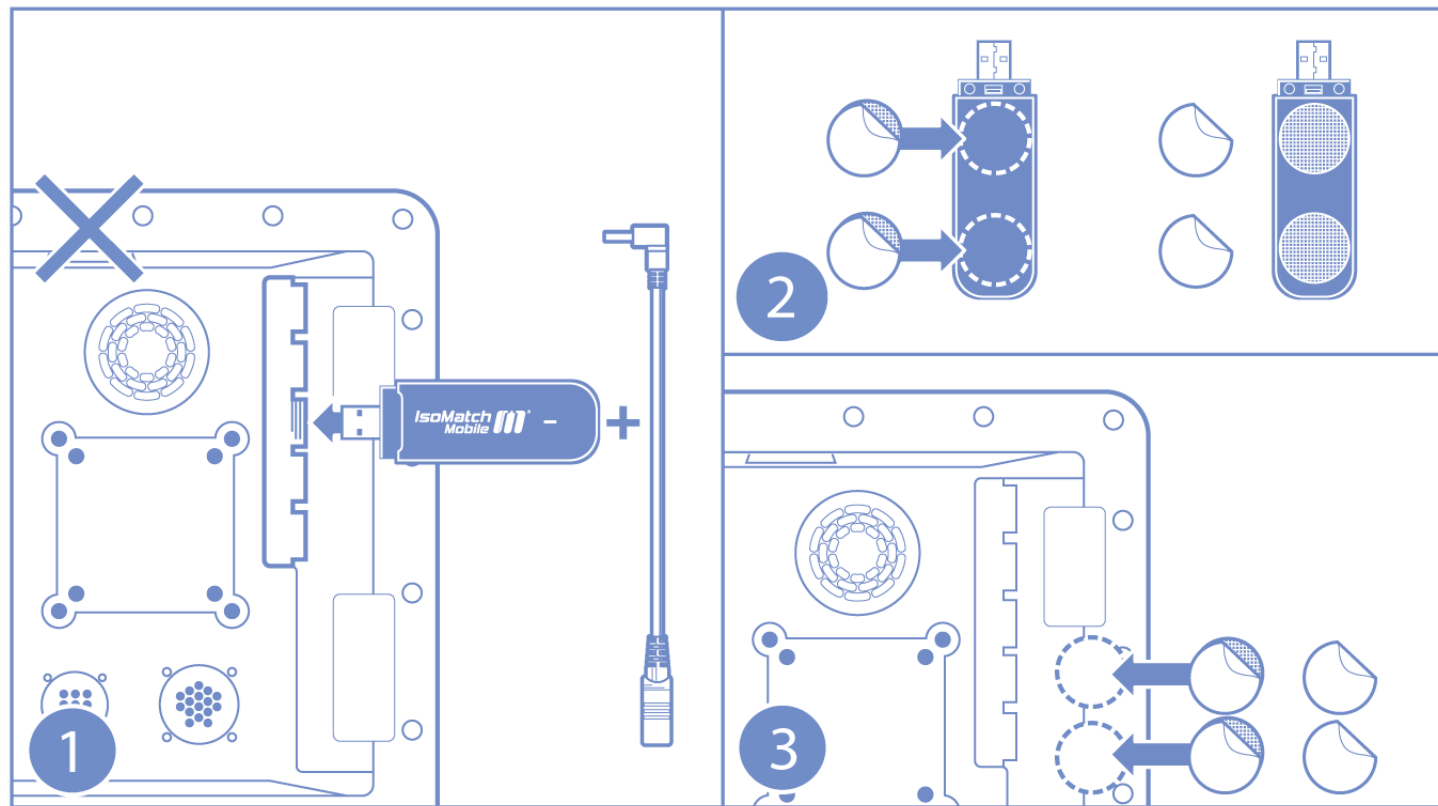
3rd party antenna

Inserting SIM card

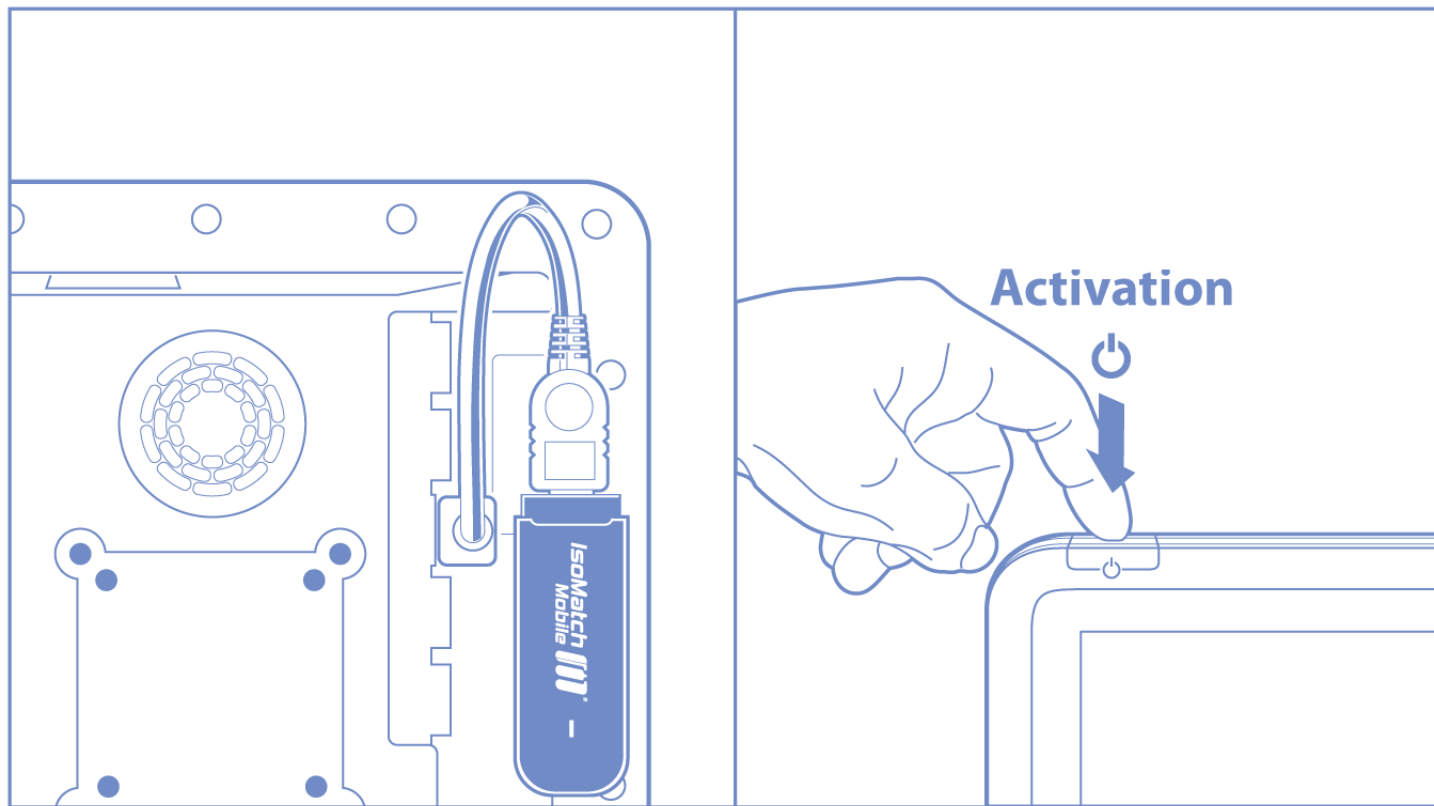


Important: Commissioning of the IsoMatch Mobile dongle with the provided **IsoMatch Mobile M2M SIM card only!**

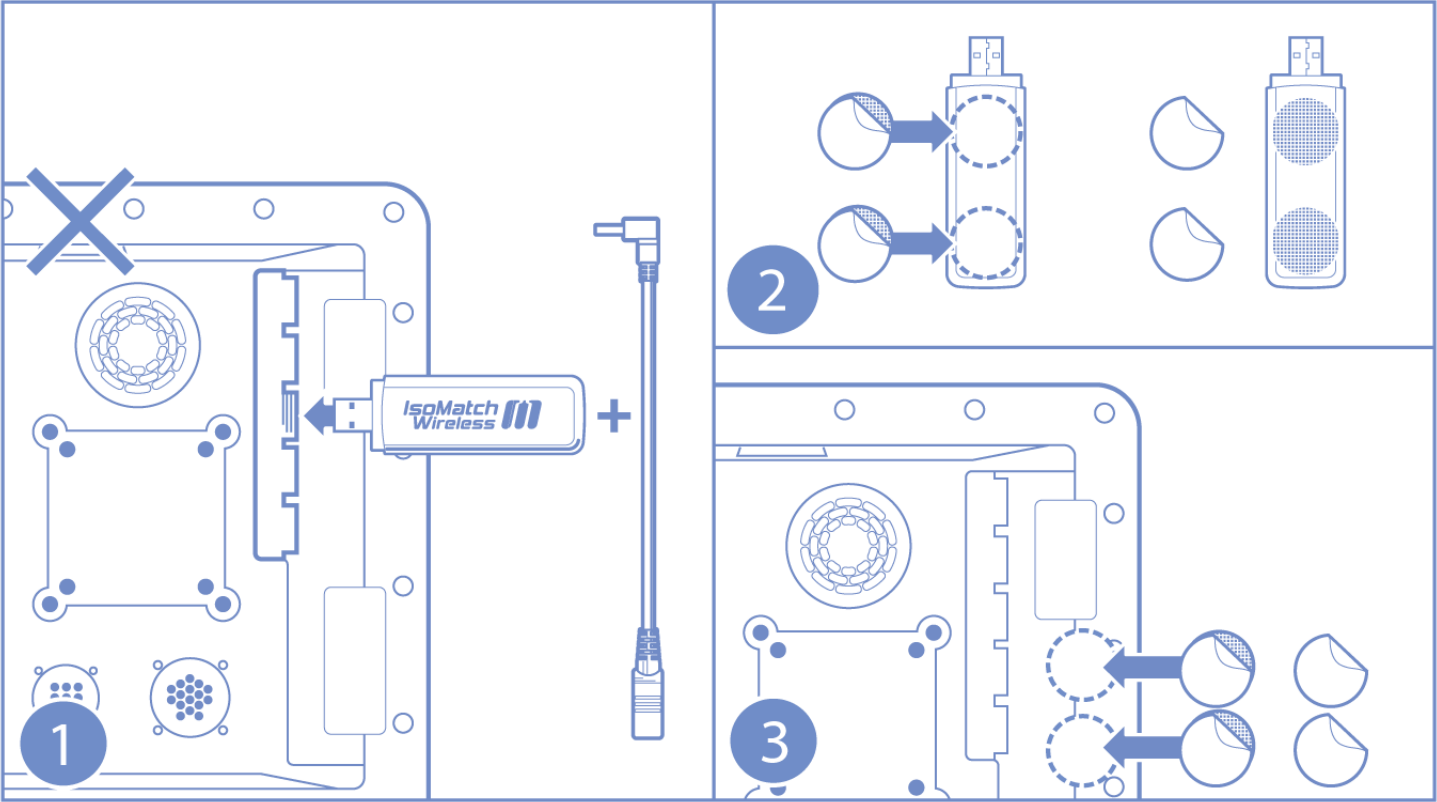
IsoMatch Mobile USB stick positions on IsoMatch Tellus PRO



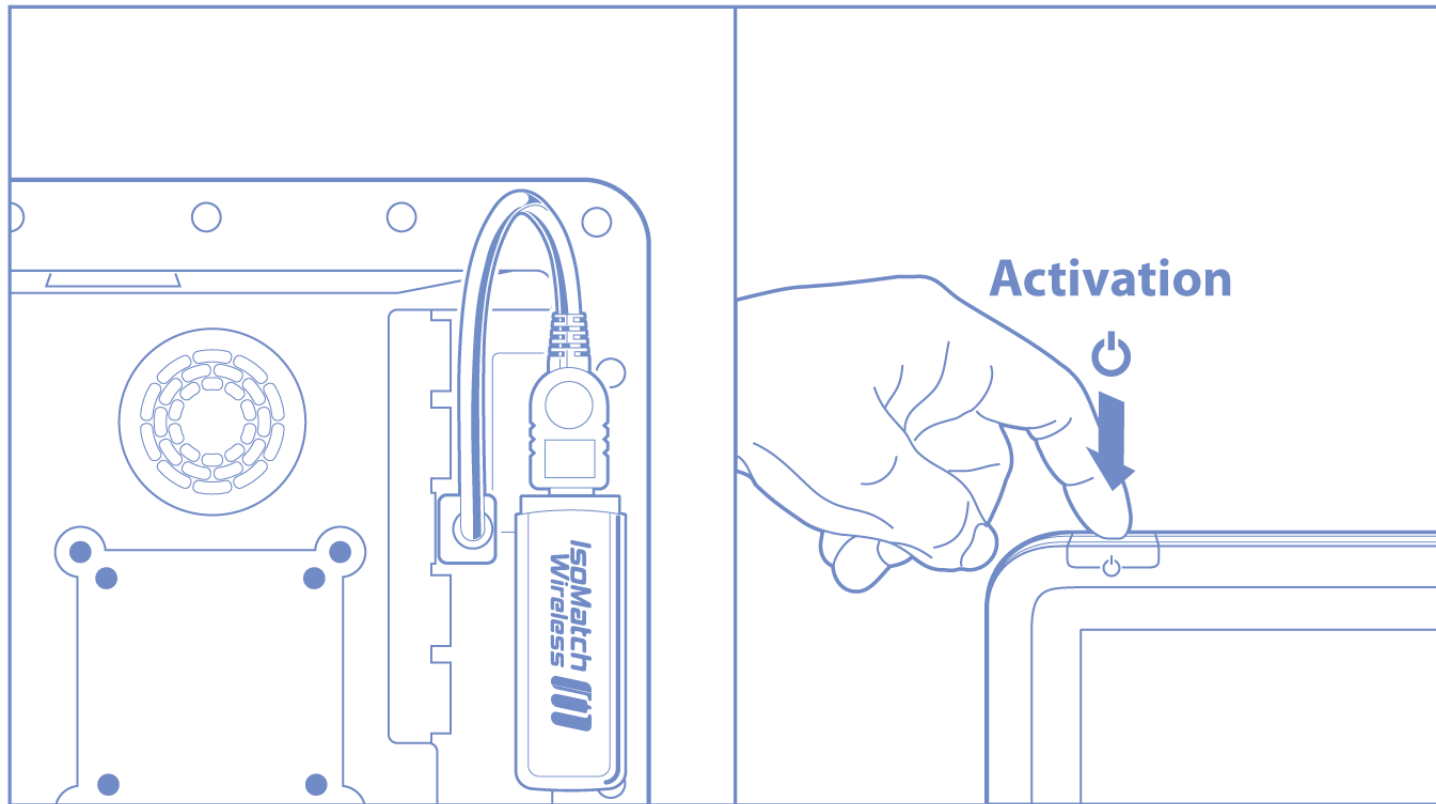
Connecting IsoMatch Mobile USB stick on IsoMatch Tellus PRO



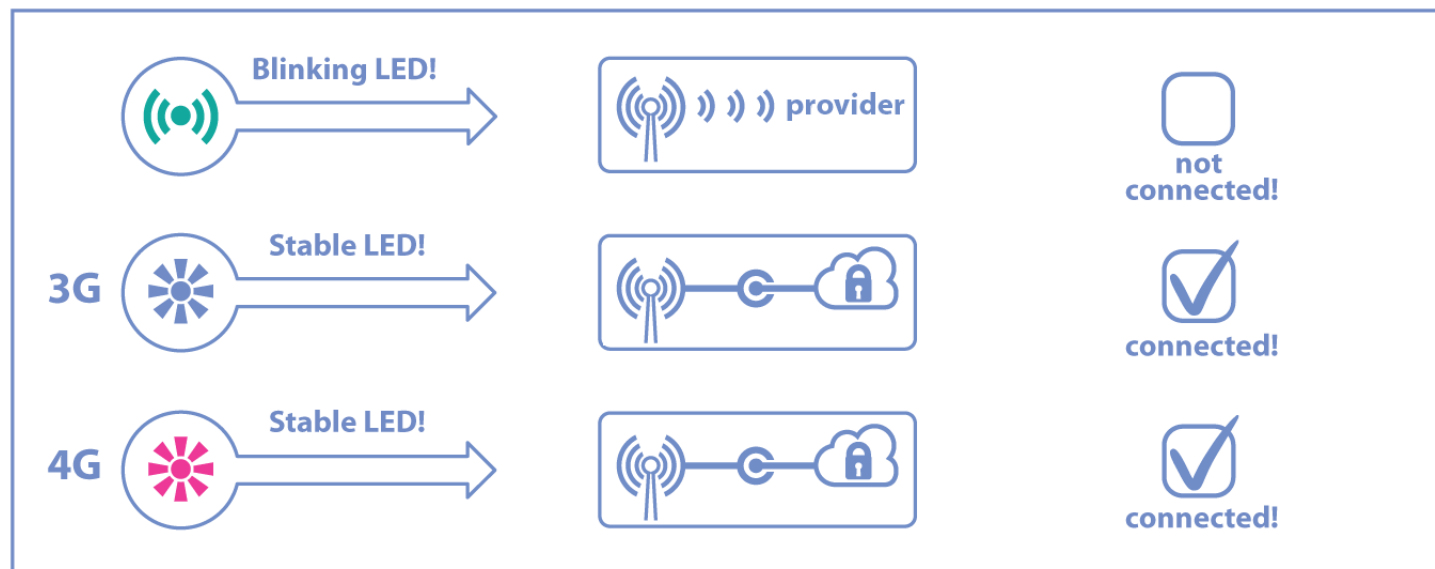
IsoMatch Wireless PRO USB stick positions on IsoMatch Tellus PRO



Connecting IsoMatch Wireless PRO USB stick on IsoMatch Tellus PRO



LED connection indication states



Note! After the IsoMatch FarmCentre dongle inserted, it takes **20 - 30 seconds** to establish a connection.

Once attached to the terminal, the **IsoMatch Mobile dongle** tries to establish a connection to **IsoMatch FarmCentre**, which is indicated by a **blinking green LED**.

As soon as the connection is **established successfully**, the LED light is stable either **blue** or **purple**,

IsoMatch Mobile dongle connectivity problem diagnostics

For some reasons the LED can still keep blinking.

If the LED of the IsoMatch Mobile dongle is still **blinking green** (no connection to VODAFONE) 20 - 30 seconds after being inserted,

- ▶ slide the lid with the LED window back,
- ▶ remove the SIM card,
- ▶ clean the SIM contacts and
- ▶ insert the SIM card again.

If it is still blinking green, the SIM card may be **deactivated**.

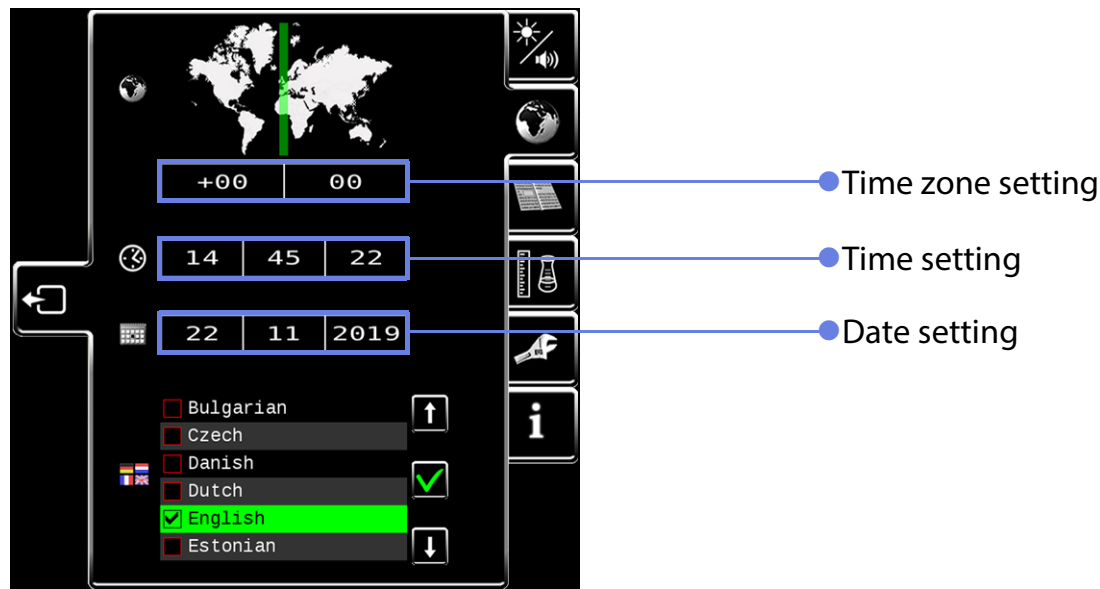
Replace SIM by an active one.

If the LED of the IsoMatch Mobile dongle is still **blinking blue** (no connection to IsoMatch FarmCentre) 20 - 30 seconds after being inserted,

- ▶ slide the lid with the LED window back,
- ▶ remove the SIM card,
- ▶ check if the type of SIM card is correct. Only the provided IsoMatch FarmCentre M2M SIM cards can be used.

Time zone, time and date setting on the terminal

- Start up the terminal, navigate to the **configuration screen** and check if the **time zone, time and date settings** are correct and corresponding, so that implement data and GPS data both have the correct time stamps.



Registration and login at My Kverneland or My Vicon

Note: Please use internet browsers as Chrome, Firefox or Safari.
Windows Internet Explorer and Edge are currently not recommended.

► Start with **my.kverneland.com/my.vicon.eu** and choose the language setting.

The screenshot shows the My Kverneland website interface. At the top, there is a navigation bar with the Kverneland logo, links for HOME, QUEST, and LOG IN, and a language selection dropdown currently set to United Kingdom. Below the navigation bar, the main header features the text "MY KVERNELAND" and "Welcome to My Kverneland". The main content area is divided into two sections: "Getting started" and "Already a user:". The "Getting started" section includes an icon of a smartphone with a checkmark and the text "The first step to access My Kverneland is to create a My Kverneland ID." with a "Register»" button. The "Already a user:" section includes an icon of a person with a lock and the text "If you already have registered a My Kverneland ID you can log in to get full access to documentation, software and FAQs for your already registered products and add new products." with a "Log in»" button. A language selection dropdown is open on the right side of the page, showing a list of countries with their respective flags: Belgique, Deutschland, France, Ireland, Magyarország, Norway, Sweden, Denmark, España, Global, Italia, Nederland, België, Polska, and United Kingdom.

Language setting

Belgique	Denmark
Deutschland	España
France	Global
Ireland	Italia
Magyarország	Nederland, België
Norway	Polska
Sweden	United Kingdom

There are two options how to get started with IsoMatch FarmCentre:

- If not being a registered user yet, please choose **Getting started** and follow up the registration procedure to create a **My Kverneland ID**.
- As an already registered user, please choose simply **Already a user** to login.

The image shows a screenshot of the MY KVERNELAND website. The header includes the Kverneland logo, navigation links (HOME, QUEST, LOG IN), and the text 'KVERNELAND WEBSITE United Kingdom' and 'WHEN FARMING MEANS BUSINESS'. The main content area has a dark grey bar with 'MY KVERNELAND' and 'Welcome to My Kverneland'. Below this, there are two main options: 'Getting started' and 'Already a user:'. The 'Getting started' option features a document icon with a checkmark and a 'Register»' button. The 'Already a user:' option features a user icon with a lock and a 'Log in»' button. Blue callout lines point from the text on the right to these elements: 'Getting started by registration' points to the 'Getting started' box, 'Login for users' points to the 'Already a user:' box, 'Login button' points to the 'Log in»' button, and 'Register button' points to the 'Register»' button.

MY KVERNELAND

Welcome to My Kverneland

Getting started

The first step to access My Kverneland is to create a My Kverneland ID.

[Register»](#)

Already a user:

If you already have registered a My Kverneland ID you can log in to get full access to documentation, software and FAQs for your already registered products and add new products.

[Log in»](#)

Getting started by registration

Login for users

Login button

Register button

Getting started by registration

► Press the **Register button** to create a My Kverneland ID.

Register»

A window pops up requesting filling in account data.

The registration form is titled "1. Account" and includes a progress bar with steps: 1. Account, 2. Address, 3. Phone, and 4. Company. The form contains the following fields and labels:

- First name
- Middle name (Optional)
- Last name
- User ID (email)
- Password
- ☐ I have taken notice of the Privacy Notice (link below)
- <https://ien.kvernelandgroup.com/About-us/Privacy-and-Cookie-information>
- Go back
- Go to next

Labels on the right side of the form:

- First name
- Middle name
- Last name
- E-mail address
- Password
- Privacy notice confirmation
- Go to next button

► Fill in the requested data and press the **Go to next button**.

Go to next

A window pops up requesting filling in address data.

The screenshot shows a registration form with four steps: 1. Account, 2. Address (highlighted), 3. Phone, and 4. Company. The Address step contains the following fields: Country (dropdown menu with 'Norway' selected), Street address, House number, Postal code, City, and County (Optional). At the bottom are 'Go back' and 'Go to next' buttons. Blue lines with circular endpoints point from text labels on the right to each of these elements: Country, Street address, House number, Postal code, City, and Go back button.

Country

Street address

House number

Postal code

City

County (Optional)

Go back

Go to next

Country

Street address

House number

Postal code

City

Go back button

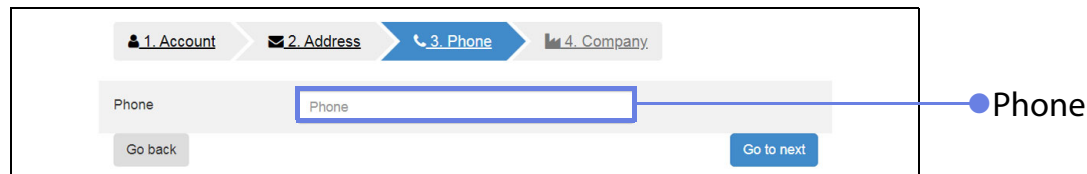
► Press the **Go back button** to get back to the previous window.

Go back

► Otherwise fill in the requested data and press the **Go to next button**.

Go to next

A window pops up requesting filling in the phone number.

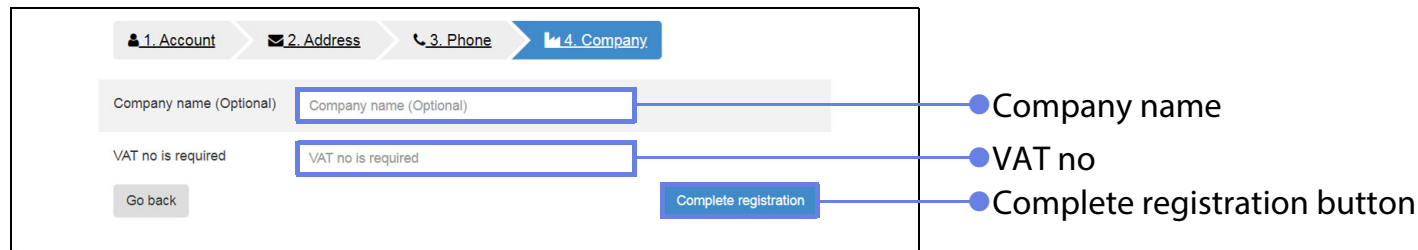


The screenshot shows a registration form with four steps: 1. Account, 2. Address, 3. Phone, and 4. Company. Step 3, 'Phone', is the active step, indicated by a blue arrow and a blue dot. Below the step indicators, there is a label 'Phone' and a text input field containing the placeholder text 'Phone'. To the left of the input field is a 'Go back' button, and to the right is a 'Go to next' button. A blue line connects the blue dot next to the 'Phone' label to the text 'Phone' on the right side of the image.

► Fill in the requested data and press the **Go to next button**.

Go to next

A window pops up requesting filling in company data.



The screenshot shows a registration form with four steps: 1. Account, 2. Address, 3. Phone, and 4. Company. Step 4, 'Company', is the active step, indicated by a blue arrow and a blue dot. Below the step indicators, there are two input fields. The first is labeled 'Company name (Optional)' and contains the placeholder text 'Company name (Optional)'. The second is labeled 'VAT no is required' and contains the placeholder text 'VAT no is required'. To the left of the first input field is a 'Go back' button, and to the right of the second input field is a 'Complete registration' button. Blue lines connect the blue dots next to the labels 'Company name', 'VAT no', and 'Complete registration' to their respective elements on the right side of the image.

► Fill in the requested data and press the **Complete registration button**.

Note: After passing the registration and verification successfully, first subsequent login can take place **as a user**.

Complete registration

Getting started as a user

► Press the **Login button** to login as a user.

Log in»

The **Kverneland Group login** screen pops up.

The screenshot shows the Kverneland Group login interface. It features a 'Login' header, a 'User ID (email)' input field, a 'Password' input field, a 'Login' button, and a 'Forgot password' link. Below these is an 'Integrated accounts' section with a 'Kverneland Group Employees' button. Annotations with blue lines point to the 'Email address' (User ID field), 'Password' (Password field), and 'Login button'.

Annotations:

- Email address
- Password
- Login button

Fill in the requested data and press the **Login button**.

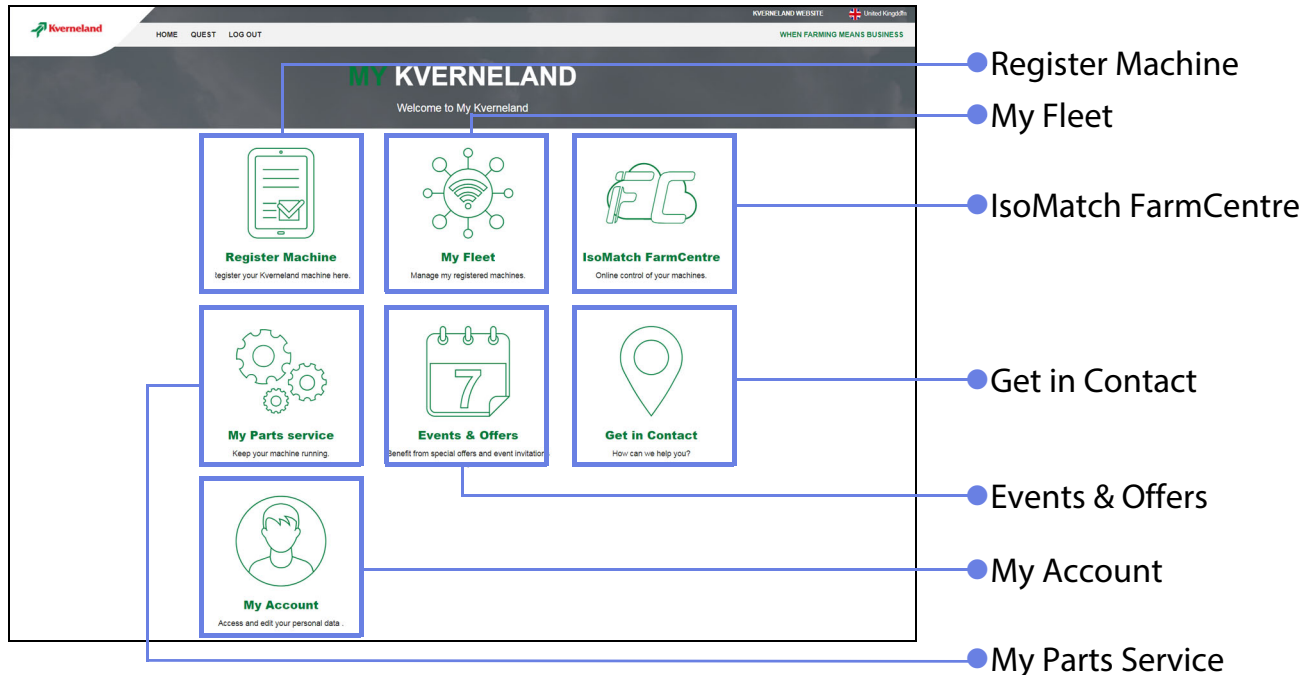
Login

IsoMatch FarmCentre

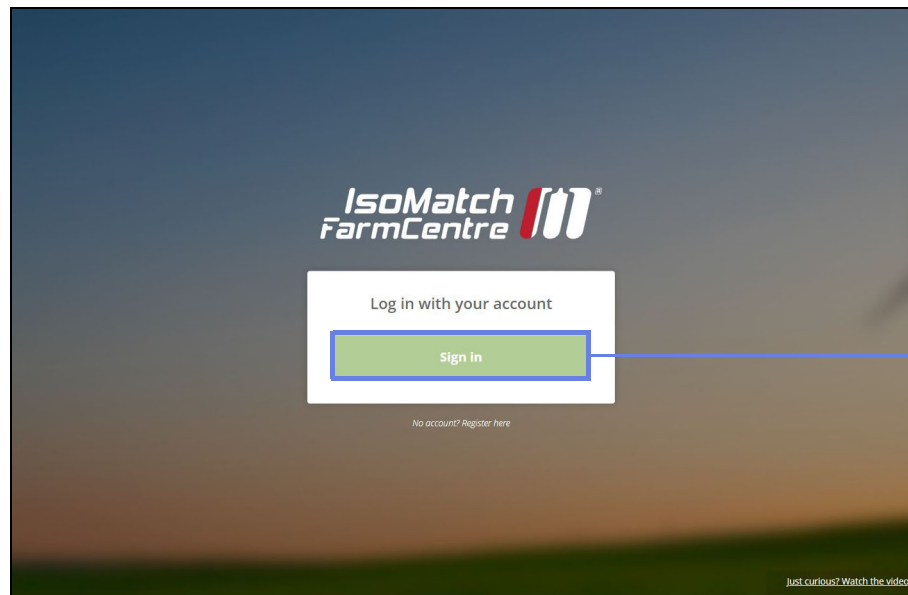
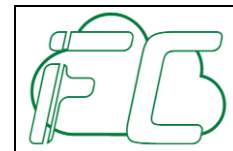
► Press the **Login button** to login as a user.

The **Welcome to my Kverneland** screen pops up offering various options.

Log in»



► Press the **IsoMatch FarmCentre** button.
The **IsoMatch FarmCentre** start screen pops up.

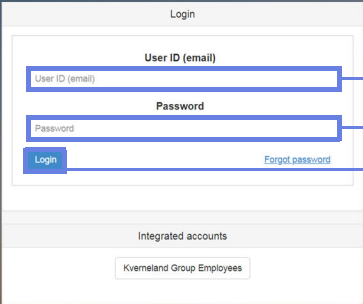


● Sign in button

► Press the **Sign in** button.



The **IsoMatch FarmCentre** login window pops up.



The screenshot shows a login window titled "Login" centered on a blurred background of a sunset over a field. The window contains the following elements:

- A section titled "User ID (email)" with a text input field labeled "User ID (email)".
- A section titled "Password" with a text input field labeled "Password".
- A blue "Login" button.
- A link labeled "Forgot password" in blue text.
- A section titled "Integrated accounts" with a button labeled "Kivimeland Group Employees".

Three blue lines with circular endpoints point from the text labels on the right to the corresponding fields in the login window:

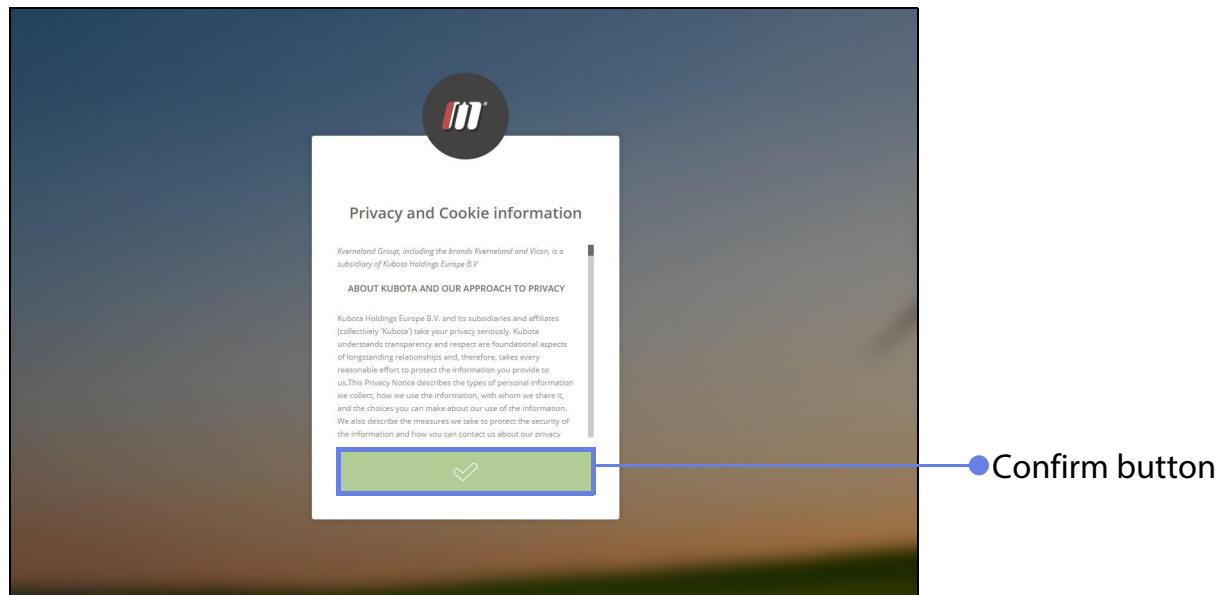
- Email address (points to the User ID (email) field)
- Password (points to the Password field)
- Login button (points to the Login button)

At the bottom right of the login window, there is a small link that says "Just curious? Watch the video".

► Fill in the requested data and press the **Login button**.

Login

A window pops up informing about **privacy and cookie setting** and asking for confirmation.

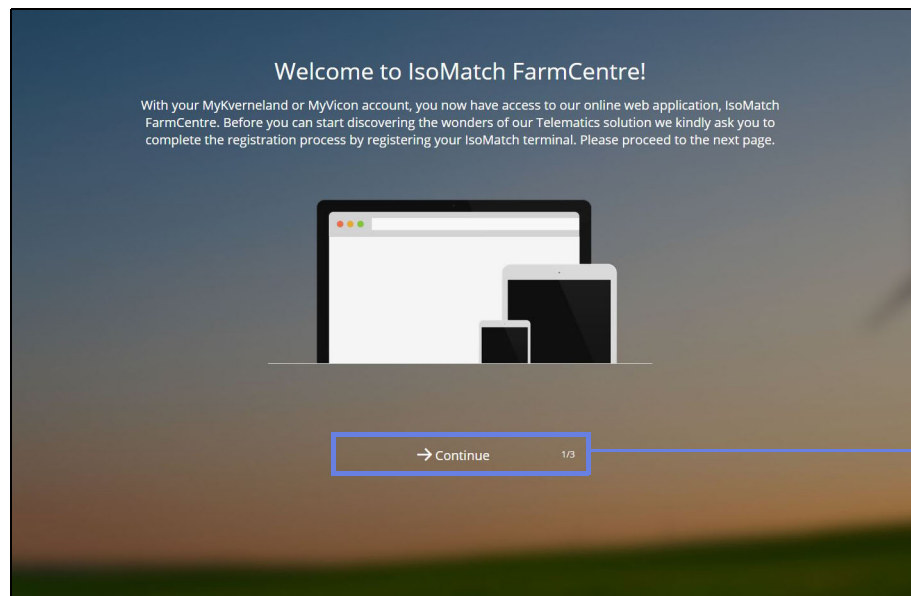


► Read firmly the privacy and cookie information and press the **Confirm button**.



Terminal license registration

The **Welcome to IsoMatch FarmCentre screen** pops up asking to complete the registration by registering your IsoMatch terminal.



Continue button

► Proceed to the next page by pressing the **Continue button**.



IsoMatch terminals are automatically licensed and need to be registered if supposed for IsoMatch FarmCentre usage.

Note: One terminal can be registered to one specific account only. The terminal and the collected data will be visible on FarmCentre website for that specific account only.

The screenshot shows a mobile application interface for activating a terminal license. The background is a blurred image of a tractor in a field. The text on the screen reads: "Activate your terminal license", "By registering your terminal below you will be redirected to the IsoMatch webshop where you can acquire a FarmCentre license. Additionally if you have purchased the IsoMatch Mobile you can enter the provided sim number as well. Our smart telematics solution uses the terminal to link up to your Kverneland and Vicon implements. Please note: by not registering a terminal and acquiring a license you will not be able to collect data from your implement.", and "Add a terminal". Below this, a note states: "Please note that a license key can only be used on one terminal at a time." There are two input fields: "Name your terminal" with a tractor icon and a plus sign button, and "MAC Address: 01:23:45:67:89:ab" with a lock icon. At the bottom is a "Continue" button with a right arrow and a "2/3" indicator. Four blue callout lines with circular endpoints point to the plus sign button, the MAC address field, the "Continue" button, and the "2/3" indicator.

Activate your terminal license

By registering your terminal below you will be redirected to the IsoMatch webshop where you can acquire a FarmCentre license. Additionally if you have purchased the IsoMatch Mobile you can enter the provided sim number as well. Our smart telematics solution uses the terminal to link up to your Kverneland and Vicon implements. Please note: by not registering a terminal and acquiring a license you will not be able to collect data from your implement.

Add a terminal

Please note that a license key can only be used on one terminal at a time.

Name your terminal

MAC Address: 01:23:45:67:89:ab

→ Continue 2/3

- Terminal name
- Activation button
- MAC address
- Continue button

► Name the terminal.

By giving the terminal an unique name, makes it easy to track it back on the FarmCentre website.

► Fill in the MAC address.

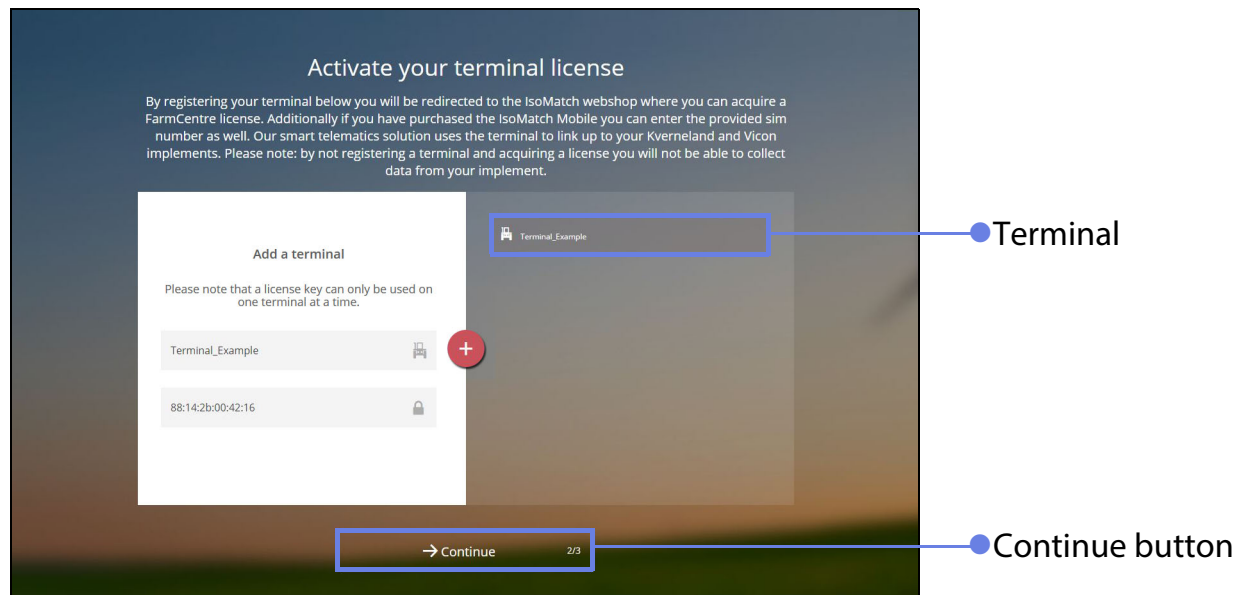
The terminal's MAC address is located on the terminal display in the ➡ terminal menu, ➡ information tab.



► Press the **Activation** button.



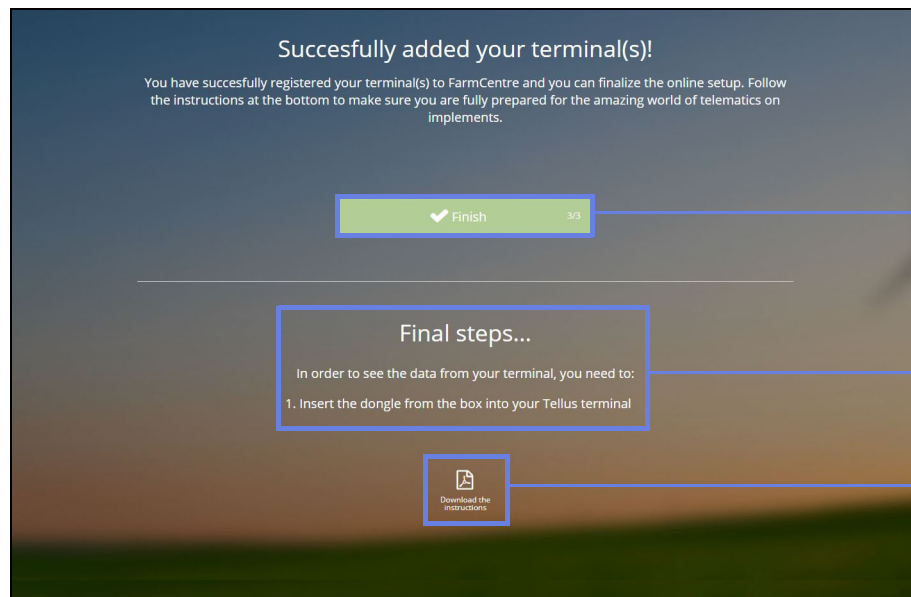
After entering the requested data and pressing the **Activation button**, the terminal to be registered appears on the top right side.



► Proceed to the next page by pressing the **Continue button**.



The terminal is now successfully registered to FarmCentre and the online set up can be finalized. Please follow the instructions at the bottom of the page to guarantee perfect operation.



● Finish button

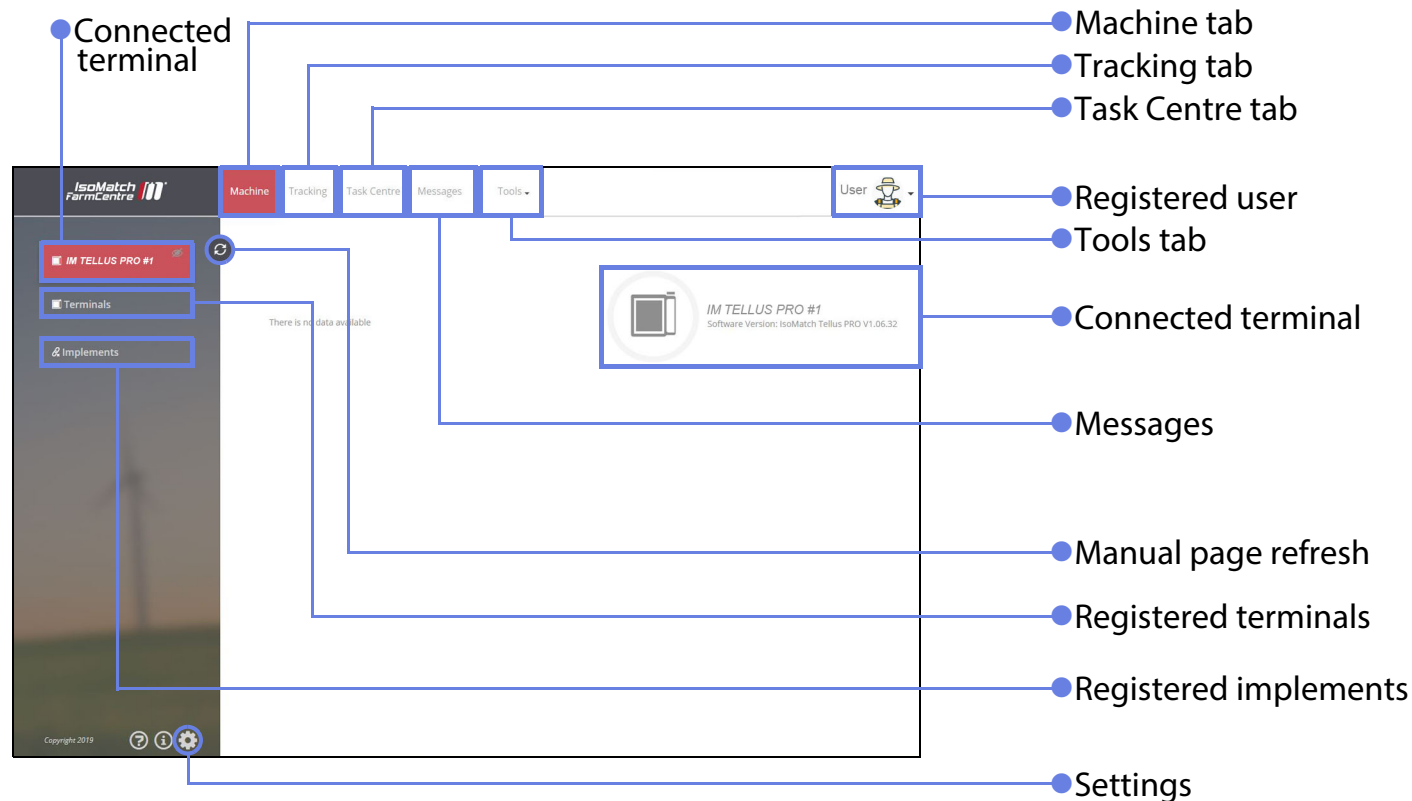
● Instructions

● IsoMatch Mobile Quick Start Manual download

► Press the **Finish button** to complete the registration procedure.



IsoMatch FarmCentre Website



After passing successfully the terminal registration procedure, the following screen pops up, indicating the just registered and connected terminal by name and software version in the **Machine tab** and the **Device selection menu**.

As long as there is no **Kverneland Group implement** connected and no ownership claimed, no implements are displayed in the **Machine tab** or/and the **Device selection menu**.

The screenshot shows the IsoMatch FarmCentre website interface. The top navigation bar includes the 'Machine' tab, 'Tracking', 'Task Centre', 'Messages', and 'Tools'. A 'User' dropdown menu is visible in the top right. The left sidebar contains a 'Terminals' section with a refresh button and an 'Implements' section. The main content area displays 'There is no data available' and a 'Connected terminal' card for 'IM TELLUS PRO #1' with software version 'IsoMatch Tellus PRO V1.06.32'. A 'Device selection menu' is also visible. Annotations with blue lines point to the 'Machine tab', 'Registered user', 'Manual page refresh' button, 'Connected terminal', and 'Device selection menu'.

Machine tab

Registered user

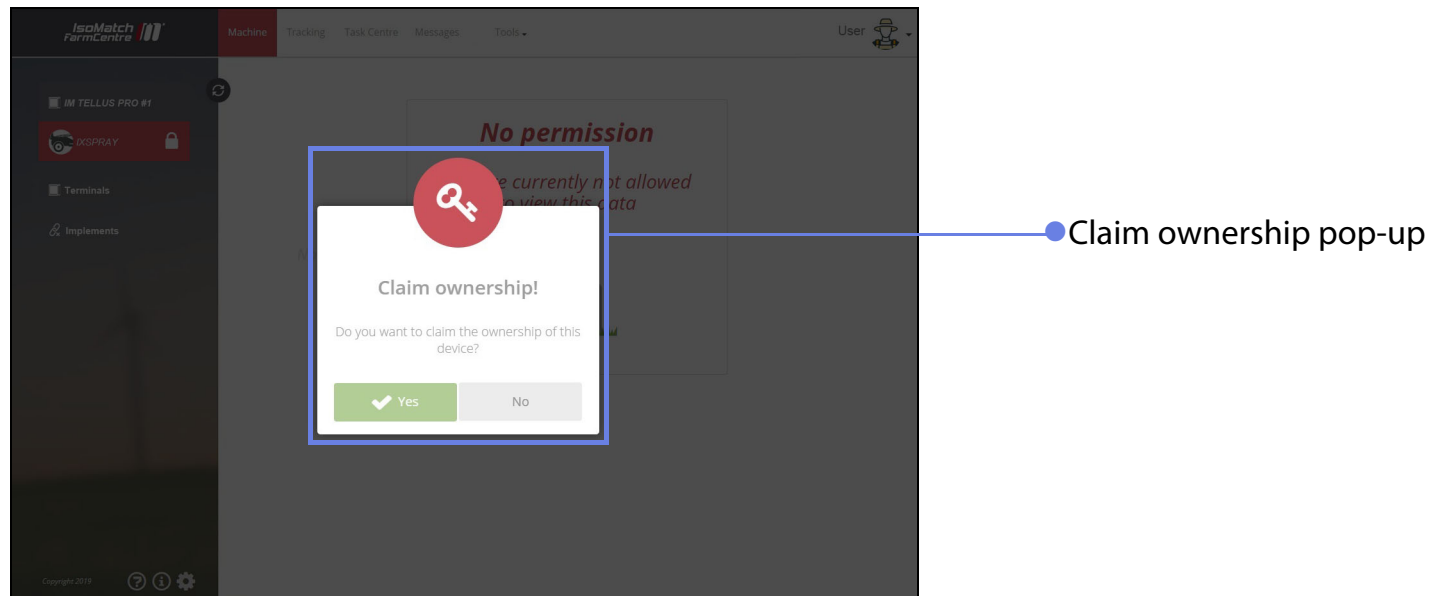
Manual page refresh

Connected terminal

Device selection menu

Note: The web pages can be re-freshed automatically or manually. Manual refreshing refreshes the web page immediately by pressing the refresh button. Automatic refreshing happens every 15 seconds.

Once a **Kverneland Group implement** is connected, a window will pop up requesting to claim the ownership of the implement.



► Press the **Confirm button** to claim the ownership of the implement.



The following screen which appears after the claiming of the ownership, enables the user to view machine parameters and settings and GEOCONTROL data such as taskdata, totals, etc.

Connected implement

The screenshot displays the IsoMatch FarmCentre web interface. On the left, a sidebar contains a list of implements, with 'IM TELLUS PRO #1' selected. The main area shows details for this implement, including a 'DXSPRAY' icon, a 'Show all' checkbox, and a table of machine parameters. The table is divided into two sections: 'Identification' and 'Machine'. The 'Machine' section contains two columns of data, including 'Actual Application Rate', 'Actual volume content', 'Connected to UT instance', 'DGI protocol version', 'ISOBUS stack version', 'ACT power 1', 'Actual speed', 'Actual Working width', 'Debug Plot version', 'ECU power 1', and 'Lifetime total volume'. A red 'Analysis Tool' button is located in the top right corner of the main area.

Analysis tool button

Connected implement

Connected terminal

Show all data check mark

Parameters and settings of the implement and GEOCONTROL

► Press the **Analysis tool button**.



The **Analysis tool** enables the user to plot graphs from the parameters of the implement or GEOCONTROL over a period of 24 hours.

Plotting graphs is possible in two ways:

- By clicking on the wanted parameter and then pressing the plus button.
- By swiping the parameter into the empty slot.

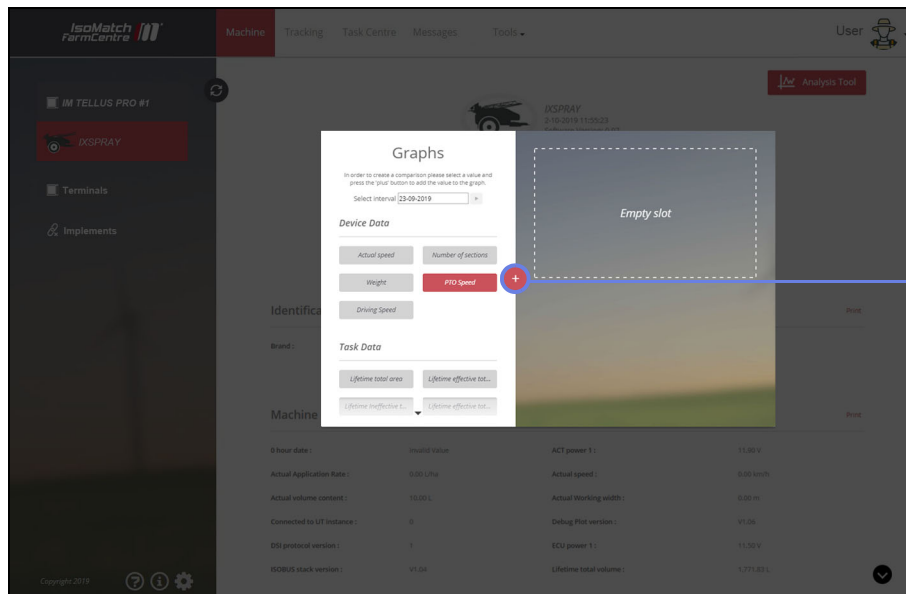
The screenshot shows the IsoMatch FarmCentre website interface. A modal window titled 'Graphs' is open, allowing users to create a graph. The modal includes an 'Interval selection' dropdown menu, an 'Empty slot field' for plotting, and a 'Device Data' section with various parameters. A 'Device/task data selection' button is also visible. The background shows the main dashboard with navigation tabs like 'Machine', 'Tracking', 'Task Centre', 'Messages', and 'Tools'.

► Make an **Interval selection** from the drop down menu.

02-10-2019

► Make a **Device or Task data selection**.

PTO Speed



● Activation button

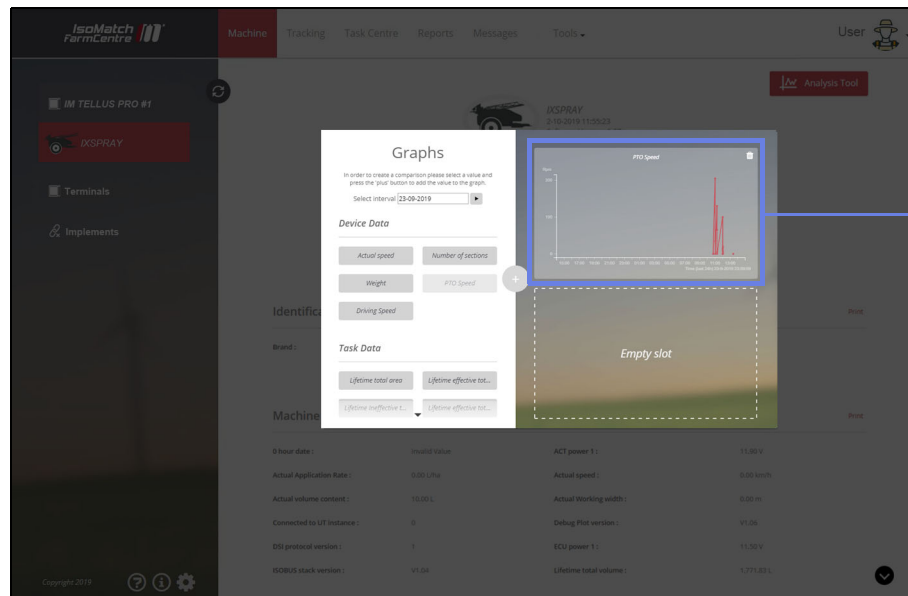
► Press the **Activation button**.



The **Analysis tool** enables the user to plot graphs from the parameters of the implement or GEOCONTROL over a period of 24 hours.

Plotting graphs is possible in two ways:

- By clicking on the wanted parameter and then pressing the plus button.
- By swiping the parameter into the empty slot.



● Graphs field

Settings

Profile settings

After pressing the **Settings** button the **Profile settings screen** pops up which enables to edit user related data and among others to paste a personalized user image.



The screenshot shows the 'Profile' settings screen with the following elements highlighted by blue lines and callouts:

- Edit button**: A red button with a pencil icon and the text 'Edit' at the top left.
- Receive alerts**: A dropdown menu labeled 'How do you wish to receive alerts?' with 'None' selected.
- Home coordinates**: Two input fields for 'Latitude' (52.26492375) and 'Longitude' (4.64051186693797).
- Language setting**: A dropdown menu labeled 'Language' with 'English (English)' selected.
- User image**: A profile picture of a person wearing a hat, with a 'Change image' button below it.
- Automatic data refreshing**: A dropdown menu labeled 'Automatic data refreshing' with 'Every 1 minute' selected.

Additional visible text on the screen includes: 'Settings', 'Profile / Terminals / Implements / SIM Cards / Permissions', 'User', and 'Reference code: 9f570b0cbe2a458ab10e9499099f3076'.

► Press the **Edit button** to open the **User detail settings**.



The **User detail settings** screen shows more specific user related data entries to be edited. Some of them are optional others are mandatory.

The screenshot shows a form with the following fields and labels:

- First name
- Middle name (Optional)
- Last name
- Country (Dropdown menu showing Netherlands)
- Street address
- House number
- Postal code
- City
- County (Optional)
- Phone
- Company name (Optional)
- VAT no is required
- Save account information button

Labels on the right side of the form:

- First name
- Middle name (optional)
- Last name
- Country
- Street address
- House number
- Postal code
- City
- Country (optional)
- Phone
- Company name (optional)
- VAT number
- Save account information button

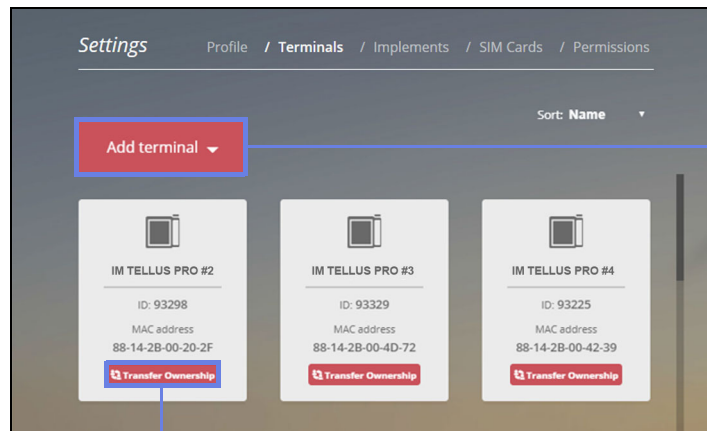
► Press the **Save account information button** to save the entries

Save account information

Terminals settings

- ▶ Press the **Terminals tab** to get to the **Terminals settings screen** where terminals can be added and the ownerships of already registered terminals can be transferred to other registered users.

Terminals



● Add terminal button

● Transfer ownership button

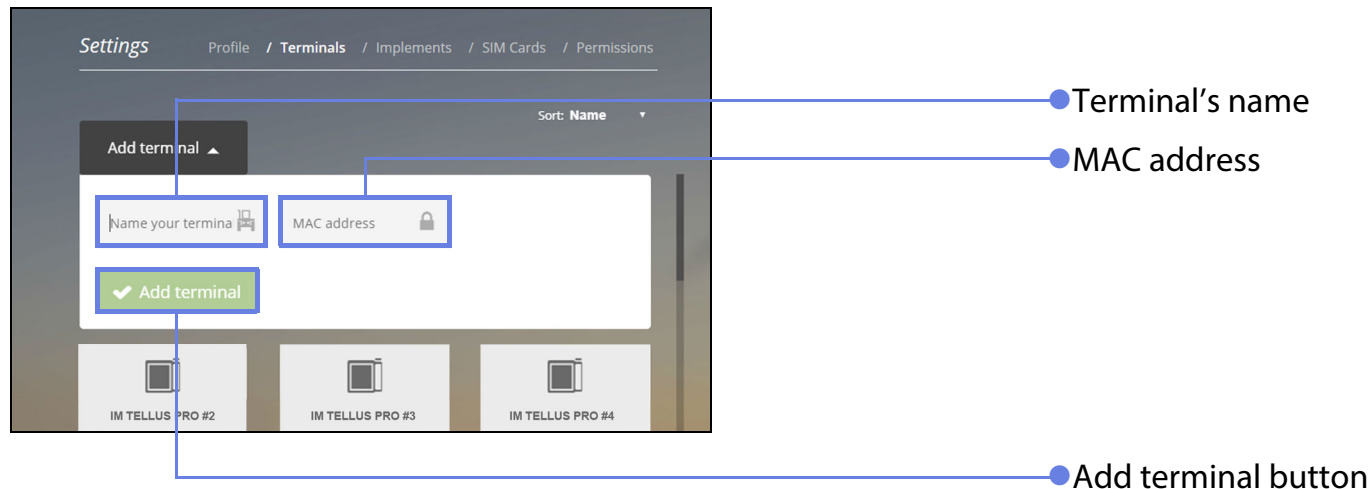
- ▶ Press the **Add terminal button** to register another terminal.

Add terminal

Add a terminal

To add a terminal it is necessary to follow up the registration procedure:

- ▶ Name the terminal.
- ▶ Fill in the MAC address.



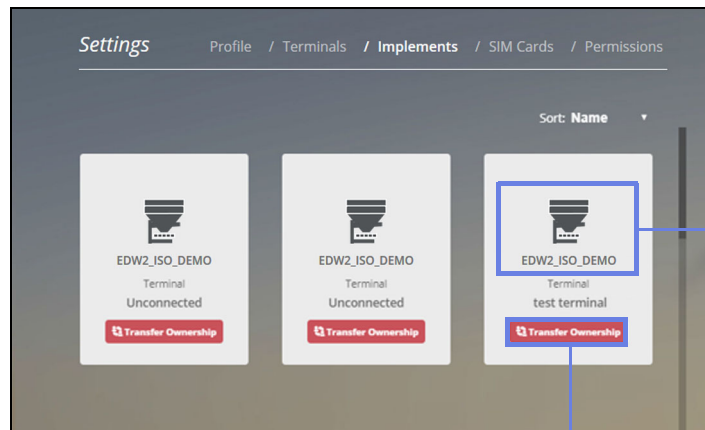
- ▶ Press the **Add terminal button** for confirmation.



Implements settings

- ▶ Press the **Implements tab** to get to the **Implement settings screen** where the ownerships of already registered implements can be transferred to other registered users.

Implements



● Implement

● Transfer ownership button

- ▶ Press the **Transfer ownership button**.

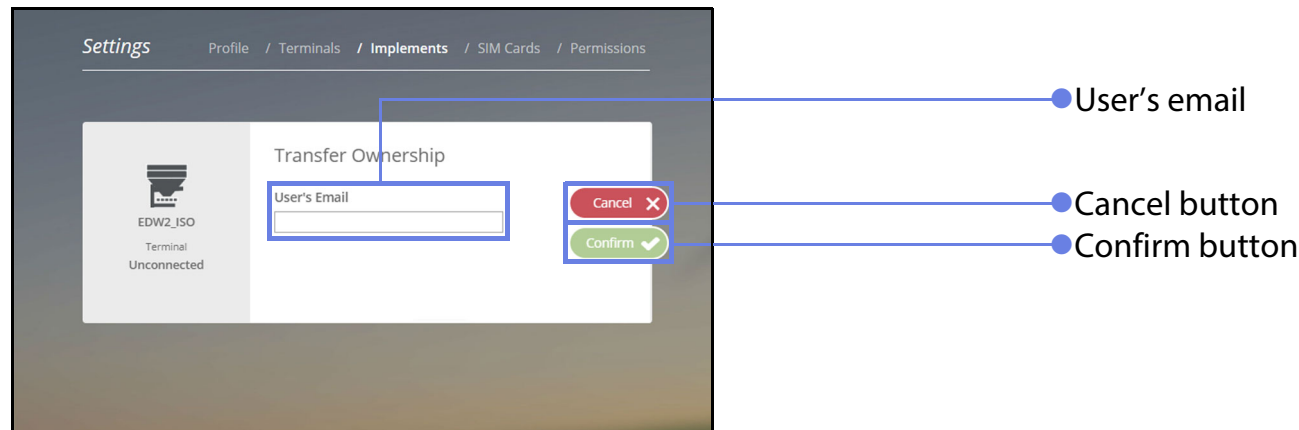


Transfer ownership

Transfer ownership

After pressing the button the **Transfer ownership screen** pops up which enables the user to transfer the ownership of an implement to another registered user.

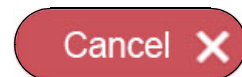
Note! After the ownership transfer the first-mentioned user is no longer owner of the implement in question.



▶ Type in the **User's email** and confirm the ownership transfer.



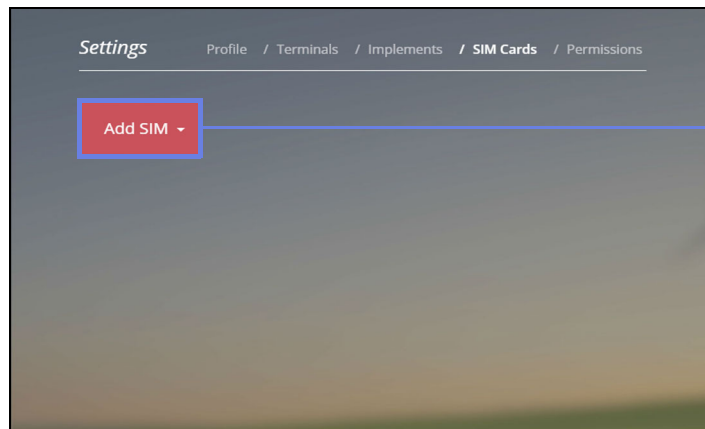
▶ or cancel the ownership transfer.



SIM Cards

- ▶ Press the **SIM Cards tab** to get to the **SIM card registration screen** where the SIM card(s) can be registered. SIM card registration is not mandatory.

SIM Cards

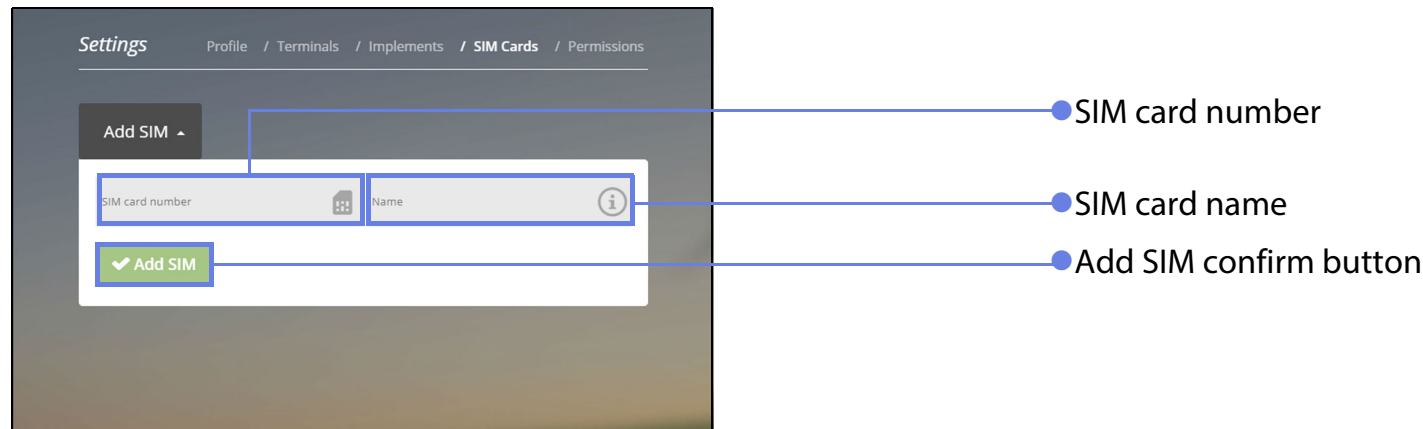


Add SIM button

- ▶ Press the **Add SIM button**.

Add SIM ▾

After pressing the button the **SIM card registration menu** pops up which enables the user to register his SIM card(s).



▶ Type in the **SIM card number** and choose a **SIM card name**.

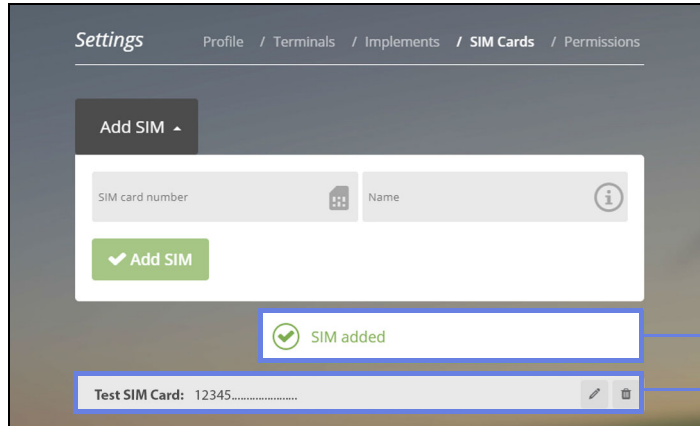
▶ Press the **Add SIM button**.



After pressing the **Add SIM button** the registered SIM card name and number are displayed at the bottom of the screen.

Additionally the **SIM added tag** indicates the successful registration.

Further SIM cards can be registered in this way by pressing the **Add SIM button** again.



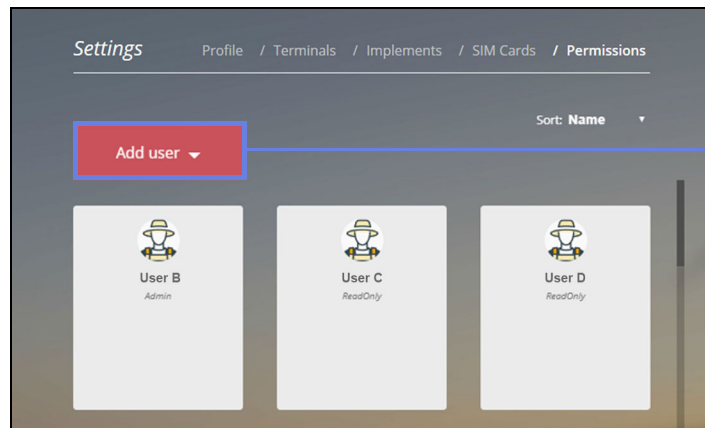
● SIM added tag

● Registered SIM card

Permissions

- ▶ Press the **Permissions tab** to get to the **Permissions settings screen** where already registered users can be added and get partially account access (reading authorization only).

Permissions



● Add user button

- ▶ Press the **Add user button** to share reading authorization.

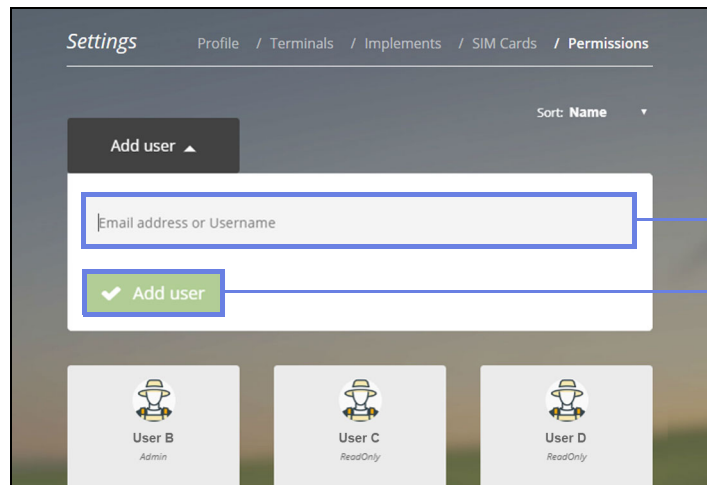
Add user

Note! Permissions gives enables FarmCentre users to grant access to their accounts to multiple FarmCentre users.

Add user

To add a user

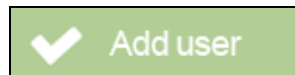
- ▶ enter the user's email address or type in the user name.



● Email address or user name

● Add user button

- ▶ Press the **Add user** button.



Permission types

There are two types of permission:

- **Read** means viewing another user's account only
- **Admin** provide the customer with administrator rights which give the ability to view and modify another user's account data

The **Permission tab** allows a user to grant access to specific parts of the web UI, namely **Machine, Tracking, Task Centre and Messages**.

Each page can be selected or deselected individually.

FarmCentre users with **Admin rights** can view/add/edit/delete data from another user's account.

In **Settings**, only the tabs **Profile** and **Permissions** are always private, meaning that those tabs data is never shown to another user.

Note! To give another FarmCentre user permissions (by clicking the button **Add user button**), the assigned user must be registered with FarmCentre, not just with Kverneland.

Meaning that once the user creates a new account with Kverneland, than he must login with FarmCentre web site at least once.

Tracking

The **Tracking** function in IsoMatch FarmCentre enables the user to track back the terminal's and implement's tracking history or localize the latest online GPS position.

► Press the **Tracking tab** in the tab menu.

Tracking

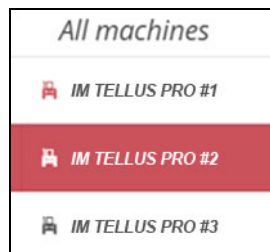
The screenshot displays the IsoMatch FarmCentre Tracking interface. The top navigation bar includes 'Machine', 'Tracking' (highlighted), 'Task Centre', 'Messages', and 'Tools'. A user profile icon is in the top right. Below the navigation bar, a search bar contains 'IMT PRO #1' and a date range 'From: 22-9-2019 19:45:00 To: 23-9-2019 19:45:00'. A 'Fleet / Tracking History' button is on the right. The main area is a map showing a rural landscape with a red outline indicating the tracking history of a machine. A 'Time filter' dialog box is open in the bottom right corner, showing the same date range and a 'Maximum 24 hours period' warning. The dialog has 'Filter', 'Reset', and 'Last Known Position' buttons.

- Terminal selection
- Fleet/Tracking history selection
- Zoom in/zoom out
- Tracking history
- Time filter

Terminal selection

After pressing on the **Terminal selection** field, a drop down menu reveals a list of all **registered terminals** or all **registered implements connected to terminals**.

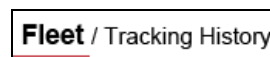
► Select the **terminal** to be tracked back.



Fleet/Tracking history selection

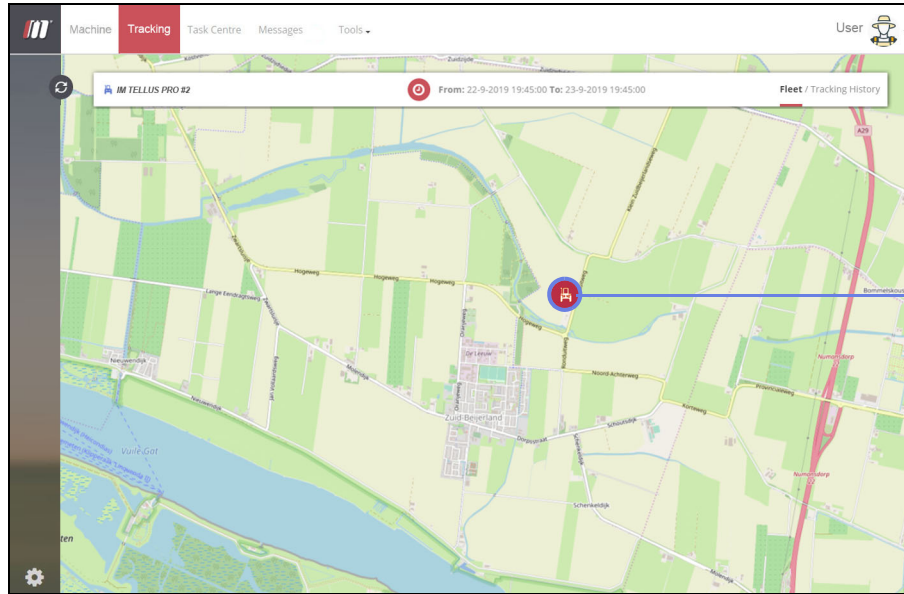
- The **Fleet** option localizes last position of the filtered terminal/implement.
- The **Tracking history** option displays track and behaviour of the filtered terminal/implement including starting and ending point within a certain, user specified time slot in the **Time filter**.

► Choose **Fleet**.



Fleet screen

The **Fleet screen** shows the last localized position of the selected terminal or implement connected to the terminal.



● Last localized terminal position

Tracking history screen

The **Tracking history** screen displays track and behaviour of the filtered terminal/implement including starting and ending point within a certain, user specified time slot in the **Time filter**.

- ▶ Choose **Tracking history**.

Fleet / **Tracking History**

Time filter

- The **Time filter** pops up only when **Tracking history** is chosen.
- ▶ Choose a time period of maximum 24 hours.

Time filter ×

From
22-09-2019 19:45

Maximum 24 hours period

To
23-09-2019 19:45

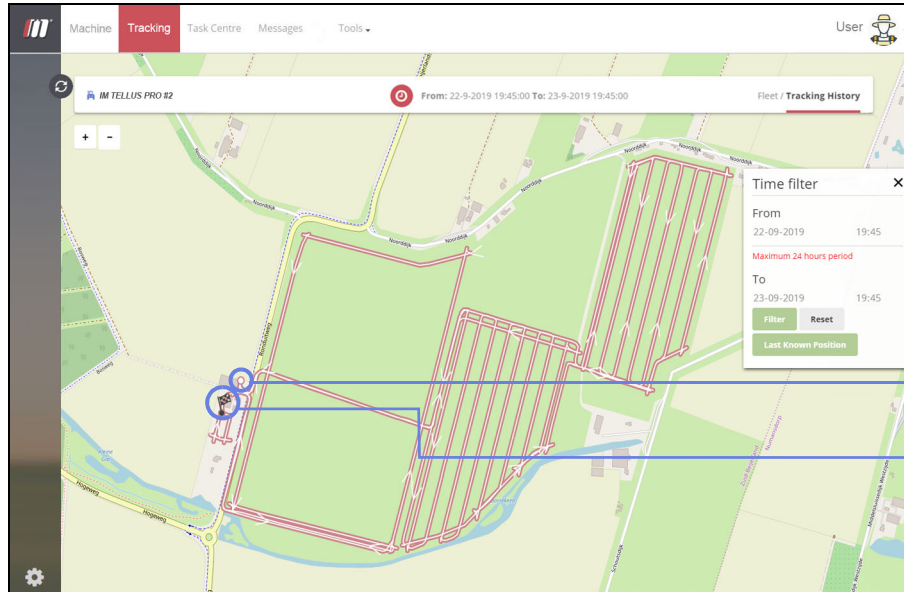
Filter Reset

Last Known Position

- ▶ Press the **Filter button**.

Filter

The screen which appears shows the entire tracking of the terminal/implement including starting and ending point within the requested time period



Starting point

Ending point

Task Centre

Open tasks

Task Centre enables the user to manage and maintain task data, check finalized tasks receipts and correct data distribution.

► Press the **Task Centre** tab in the main menu.

Task Centre

The screenshot shows the 'Task Centre' interface with the following annotations:

- Open tasks tab
- Sort by date or device
- Archive or delete
- Send TaskData button
- Task sent to terminal
- Task received from terminal
- TaskData tile

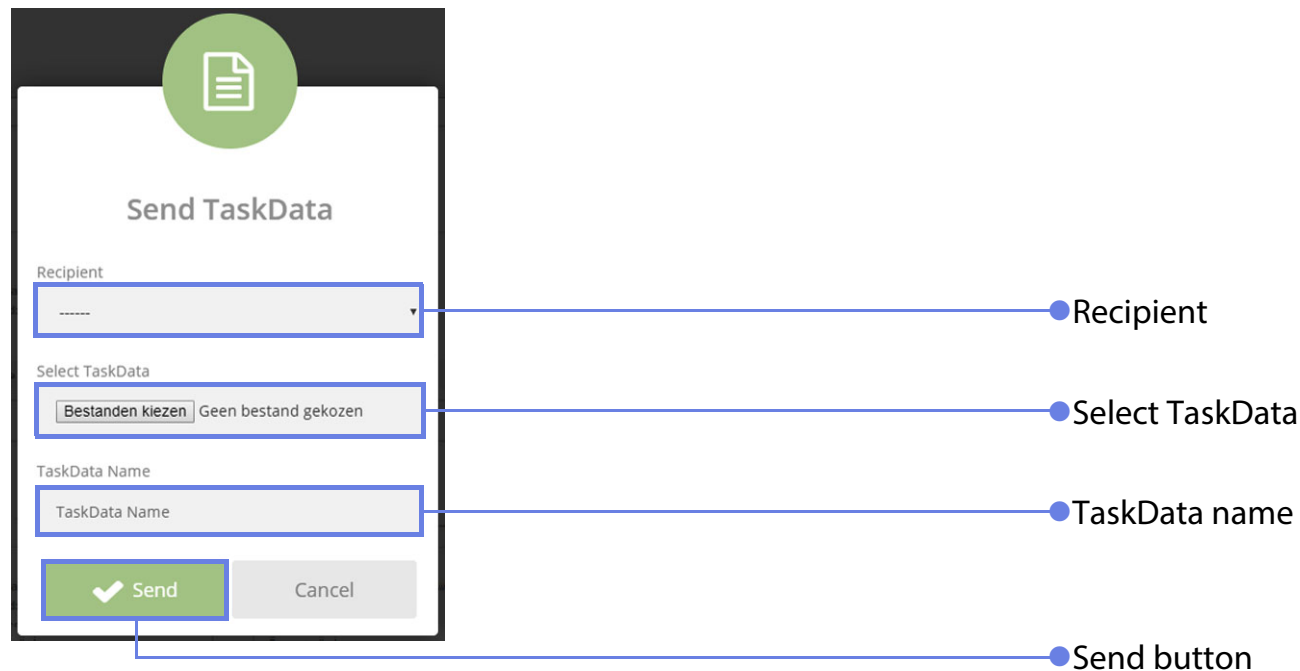
The interface displays a grid of task tiles. Each tile shows the task name, a status icon (e.g., a checkmark or a document with a checkmark), and a 'Task is sent' message. The tiles are organized into two rows. The top row shows tasks sent to terminals, and the bottom row shows tasks received from terminals. The 'TaskData' tile is highlighted in the bottom row.

Send TaskData

► Press the **Send TaskData** button.



The **Send TaskData** screen pops up

A screenshot of the "Send TaskData" screen. It features a green circular icon with a document symbol at the top. Below the title "Send TaskData", there are four input fields: "Recipient" (with a dropdown arrow), "Select TaskData" (with a button "Bestanden kiezen" and text "Geen bestand gekozen"), "TaskData Name" (with the text "TaskData Name"), and a "Send" button (with a checkmark icon) and a "Cancel" button. Blue lines with circular endpoints point from the labels on the right to each of these four elements.

Send TaskData

Recipient

Select TaskData

TaskData Name

Send button

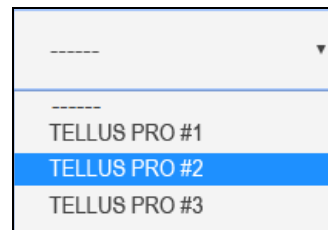
Recipient

Select TaskData

TaskData name

Send button

► Choose the **recipient** from the drop down menu.



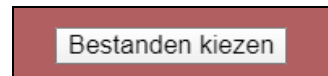
----- ▼

TELLUS PRO #1

TELLUS PRO #2

TELLUS PRO #3

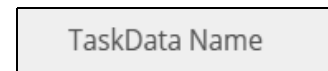
► Browse for **TaskData** to be sent.



Bestanden kiezen

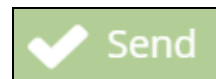
Note! Task data files selected to be sent need to be in **ZIP.format**.

► Enter the **TaskData name**.

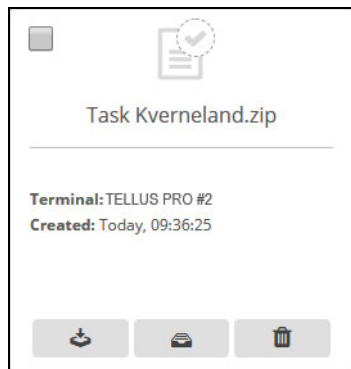


TaskData Name

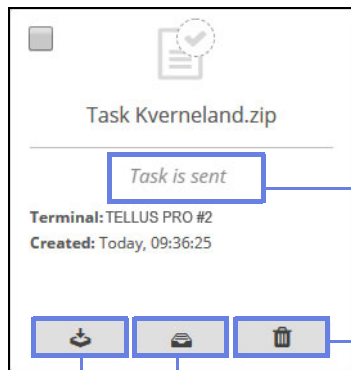
► Press the **Send button**.



✓ Send



When zipped task data is sent, an associated **task data tile** pops up in the **TaskCentre screen**.



As soon as the task data is received by the recipient, the associated task data tile gets a **Task-is-sent-tag**.

The tagging of the task data tile depends on the pre-set refreshing time and if the recipient terminal is connected/online.

● Task-is-sent-tag

For data maintenance purposes there are 3 **maintenance buttons** at the bottom of the task data tile.

● Delete button

● Archive button

● Download button

Generate reports

The **Finished Tasks** tab enables the user to generate reports of finalized tasks sent from the terminal(s).

► Press the **Finished Tasks** tab.

Finished Tasks

The screenshot shows the 'Finished Tasks' tab in a software interface. The interface has a top navigation bar with 'Machine', 'Tracking', 'Task centre', 'Messages', and 'Tools'. The 'Task centre' tab is active. Below the navigation bar, there are three sub-tabs: 'Open Tasks', 'Finished Tasks' (which is highlighted with a red box and a blue line pointing to the 'Finished tasks tab' label), and 'Archived Tasks'. Below the sub-tabs, there is a search bar and a 'Sort: Date' dropdown menu (highlighted with a blue box and a line pointing to the 'Sort by date or device' label). Below the search bar, there is a 'Generate report' button (highlighted with a red box and a line pointing to the 'Generate report button' label). Below the 'Generate report' button, there is a grid of task tiles. Each tile represents a finalized task and includes a green checkmark icon, a task name, a terminal ID, creation and reception timestamps, and the number of reports. The first tile is 'Task Kverneland.zip' (Terminal: TELLUS PRO #2, Created: 28-10-2019 13:16:16, Received: 28-10-2019 13:16:17, Reports #: 1). The second tile is 'TaskData_Result_1.zip' (Terminal: TELLUS PRO #2, Created: 28-10-2019 09:55:56, Received: 28-10-2019 10:00:13, Reports #: 1). The third tile is 'TaskData_Result_1.zip' (Terminal: TELLUS PRO, Created: 5-7-2019 12:21:07, Received: 5-7-2019 12:21:07, Reports #: 4). The fourth tile is 'test 28 10 2019.zip' (Terminal: TELLUS PRO, Created: 4-7-2019 19:26:33, Received: 4-7-2019 19:26:33, Reports #: 9). The fifth tile is 'test 29 10 2019.zip' (Terminal: TELLUS PRO, Created: 11-6-2019 22:03:16, Received: 11-6-2019 22:03:16, Reports #: 4). The sixth tile is 'Task Kverneland.zip' (Terminal: TELLUS PRO #2, Created: 28-10-2019 13:16:16, Received: 28-10-2019 13:16:17, Reports #: 1). The seventh tile is 'TaskData_Result_1.zip' (Terminal: TELLUS PRO #2, Created: 28-10-2019 09:55:56, Received: 28-10-2019 10:00:13, Reports #: 1). The eighth tile is 'TaskData_Result_1.zip' (Terminal: TELLUS PRO, Created: 5-7-2019 12:21:07, Received: 5-7-2019 12:21:07, Reports #: 4). The ninth tile is 'test 28 10 2019.zip' (Terminal: TELLUS PRO, Created: 4-7-2019 19:26:33, Received: 4-7-2019 19:26:33, Reports #: 9). The tenth tile is 'test 29 10 2019.zip' (Terminal: TELLUS PRO, Created: 11-6-2019 22:03:16, Received: 11-6-2019 22:03:16, Reports #: 4). Each tile has a blue line pointing to it from the 'Finalized task tile' label. The 'Generate report' button has a blue line pointing to it from the 'Generate report button' label. The 'Sort: Date' dropdown menu has a blue line pointing to it from the 'Sort by date or device' label. The 'Finished Tasks' tab has a blue line pointing to it from the 'Finished tasks tab' label.

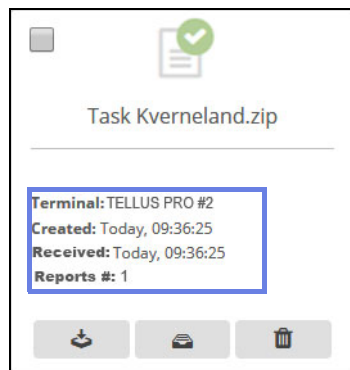
Finished tasks tab

Generate report button

Sort by date or device

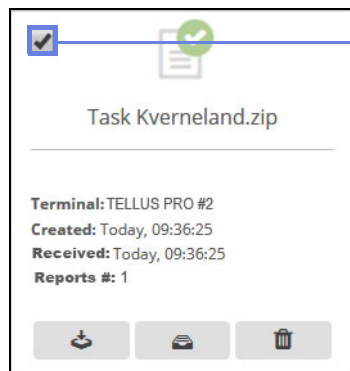
Archive or delete

Finalized task tile



The **task data tile** displays

- the terminal from which the task data was sent,
- the date the task data was created,
- the date the task data is received and
- the number of reports.



• Check mark

► Set the **Check mark** and press the **Generate report button**.



Taskdata report

After pressing the **Generate report** button the **Taskdata report list** is displayed.

The screenshot displays the 'Task centre' interface. At the top, there are tabs for 'Machine', 'Tracking', 'Task centre' (active), 'Messages', and 'Tools'. Below these, there are sub-tabs for 'Open Tasks', 'Finished Tasks' (active), and 'Archived Tasks'. A search bar is present with the text 'Select All/None'. A 'Generate report' button is located below the search bar. The main section is titled 'Taskdata Report' and contains a table with the following columns: TaskData File Name, Task Name, Field Name, Task Start, Task End, Machine, Worker, Customer, and Farm. The table lists one task: 'Task Kværnland.zip' with a checkmark in the first column. Below the table, there are several task cards, each showing a task name, a green checkmark icon, and details like 'Terminal: TELLOS PRO #2', 'Created: 28-10-2019 13:16:16', 'Received: 28-10-2019 13:16:17', and 'Reports #: 1'.

TaskData File Name	Task Name	Field Name	Task Start	Task End	Machine	Worker	Customer	Farm
<input checked="" type="checkbox"/>	Task Kværnland.zip	Europe 2 Layer Grid	Europe	28-10-2019 13:16:16	28-10-2019 13:16:17			European Customer

Task data report list

► Select task data to be reported from the list by setting a **Check mark**.

The **Task data report** list is extended by a list of **Report download options**.

Machine Tracking **Task centre** Messages Tools User

Open Tasks **Finished Tasks** Archived Tasks

SEARCH Select All/None Sort: Date

Generate report

Taskdata Report

TaskData File Name	Task Name	Field Name	Task Start	Task End	Machine	Worker	Customer	Farm
Task Kvemland.zip	Europe 2 Layer Grid	Europe	28-10-2019 13:16:16	28-10-2019 13:16:17			European Customer	

Download details report (pdf)
Download totals report (excel)
Download all

Task Kvemland.zip
Terminal: TELLUS PRO #2
Created: 28-10-2019 13:16:16
Received: 28-10-2019 13:16:17
Reports #: 1

TaskData_Result_1.zip
Terminal: TELLUS PRO #2
Created: 29-7-2019 08:55:56
Received: 29-7-2019 10:00:13
Reports #: 1

TaskData_Result_1.zip
Terminal: TELLUS PRO
Created: 5-7-2019 12:21:07
Received: 5-7-2019 12:21:07
Reports #: 4

test 28 10 2019.zip
Terminal: TELLUS PRO
Created: 4-7-2019 19:26:33
Received: 4-7-2019 19:26:33
Reports #: 9

test 29 10 2019.zip
Terminal: TELLUS PRO
Created: 11-6-2019 22:03:16
Received: 11-6-2019 22:03:16
Reports #: 4

Report download options

► Select how to download task data reports.

Note! Task reports can be downloaded as **PDF file** or as **EXCEL file**.

- Download details report (pdf)
- Download totals report (excel)
- Download all

Messages

Messages informs the user about **implement's maintenance issues, license and ownership states.**

► Press the **Messages** tab in the main menu.

Note! The circled number next to the word mark indicates the number of unread messages.

Note! Deleted messages are completely deleted after 24 hours.

Messages 53

● To do tab

● Archived tab

● Deleted tab

● Sort by date or device

● Archive or delete

● License information message

● Ownership information message

● TDTTC/error message from machine

Tools

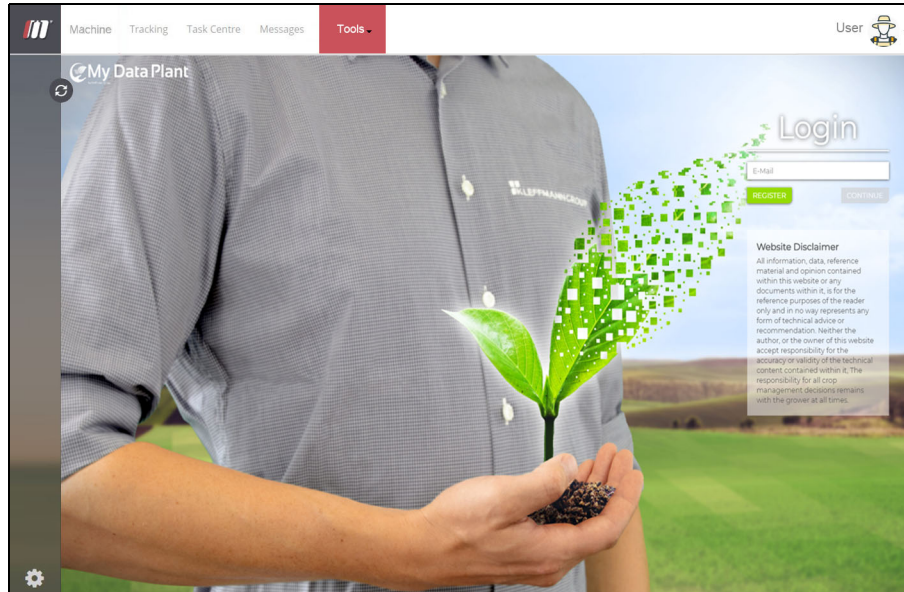
After pressing the **Tools button** a drop down menu reveals the **MyDataPlant button**.

MyDataPlant page enables the user to create fertilizer maps, sprayer maps and seeder maps via IsoMatch Farmcentre.

▶ Press the **MyDataPlant button**.

Tools ▼

MyDataPlant



IsoMatch FarmCentre on IsoMatch Tellus PRO

▶ Start up the terminal and press the **Application selector**.

▶ Press the **Applications button**.

The applications section with all currently available applications listed opens.



● FarmCentre button

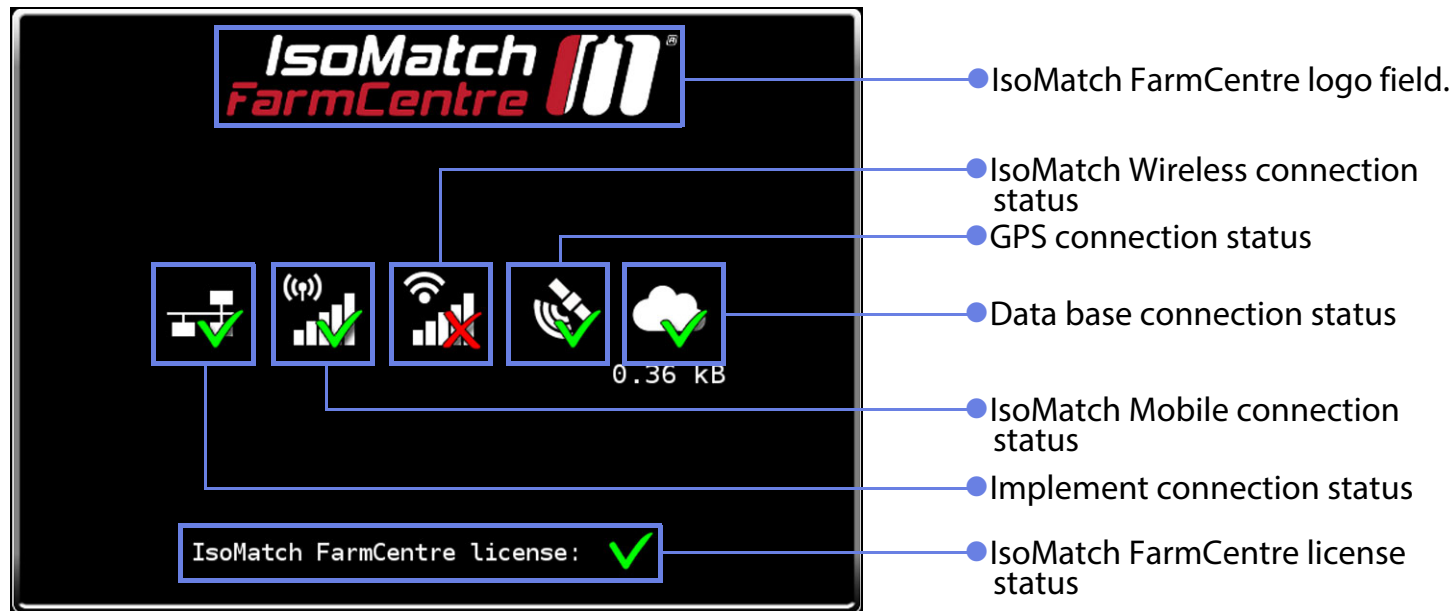


► Press the **FarmCentre** button.

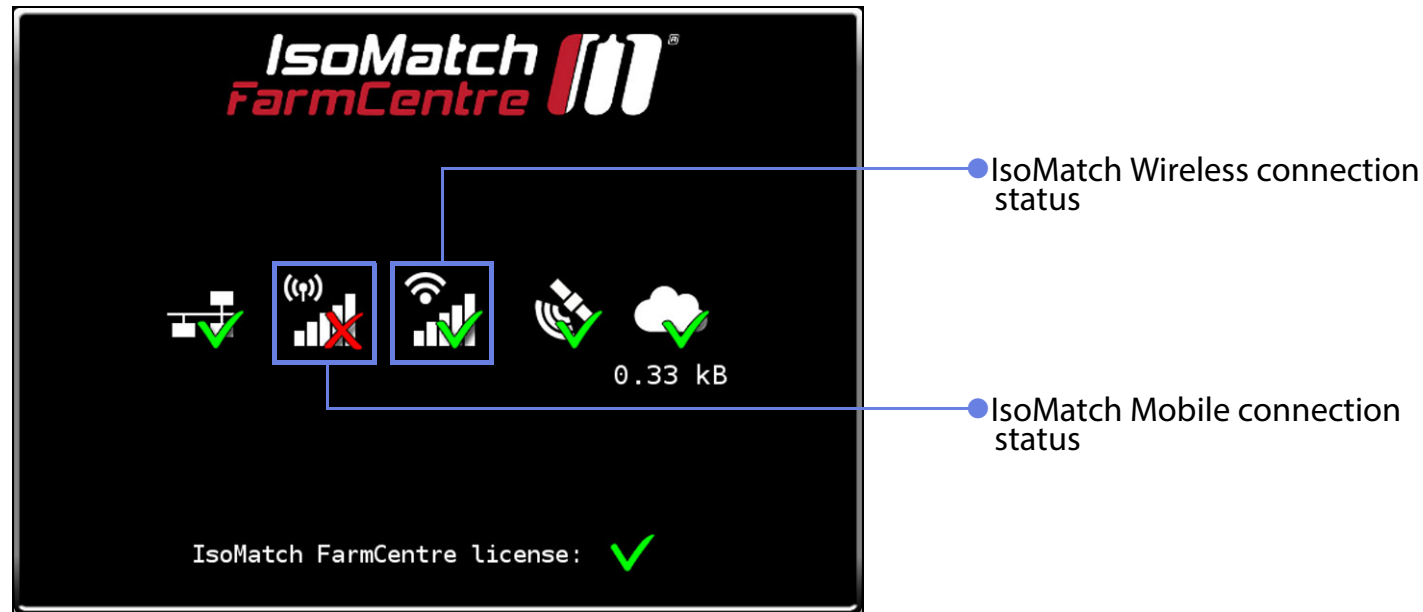
The **IsoMatch FarmCentre start screen** pops up.

Note: Depending on the used connection device, IsoMatch FarmCentre or IsoMatch Mobile dongle, the depiction of the connection states differ.

The image beneath illustrates an **IsoMatch Mobile dongle** connection.



The image beneath illustrates the connection to IsoMatch FarmCentre established by an **IsoMatch Wireless dongle**.



IsoMatch FarmCentre connection states

The five **IsoMatch FarmCentre connection status icons** can distinguish depending on their actual connection status each icon twice.

Implement connection status

Implement connected.



Implement not connected.



IsoMatch Mobile connection status

IsoMatch Mobile dongle connected.



IsoMatch Mobile dongle not connected.



IsoMatch Wireless connection status

IsoMatch Wireless dongle connected.



IsoMatch Wireless dongle not connected.



GPS connection status

GPS connection established.



No GPS connection established.



FarmCentre data base connection status

Connected to the IsoMatch FarmCentre data base.



Not connected to the IsoMatch FarmCentre data base.



Telematics user interface connection details

► Press onto the **IsoMatch FarmCentre logo field**.



The screen which pops up reveals detailed service information and data about IsoMatch FarmCentre. This data can be used by Kverneland Mechatronics to further identify issues and to solve them.

Telematic GUI v2.00 Enable telematics on next boot : ☒

Software Version: IsoMatch Tellus PRO V1.06.1.1
FM Agent IP: 87.233.82.149:443
Broker Address: 87.233.82.151:743

CAN Daemon
of Address claims: 6
Excessive claims: no
Status: Delta SOV count

FM Agent
Terminal Id: 0
Device Name:
Cached size: 14.20 kB
Total GPS points: 0

Actuals statistics:
Total: 151

	Cumulative	Cyclic
Requested	7170	0
Responded	7170	0
Changed	204	0

Annotations:

- Enable Telematics button
- General information
- CAN Daemon
- FM Agent
- Actuals statistics
- Export log files button
- Confirmation button

● **General information**

- Broker address & Broker Port and VNC args are configuration settings for Remote Diagnostics (IsoMatch TopRemote).
- FM Agent is configuration setting for IsoMatch FarmCentre.

● **CAN Daemon (ISOBUS connection)**

- # of address claims shows the number of address claim sequences on ISOBUS since start up. Connecting an implement results in a n address claim sequence.
- Excessive claims. The indication 'yes' states ISOBUS issues which can result as consequence to no or incomplete data collection.

● **FM Agent (IsoMatch FarmCentre server connection)**

- Terminal id. When this is 0, the following reasons can apply:
 - The terminal is not connected yet to the IsoMatch FarmCentre server.
 - The terminal is not registered correctly on the IsoMatch FarmCentre server.
 - The IsoMatch FarmcCentre license is expired.
- Cached size. Machine data is cached on the terminal before it will be sent to the server. When the value is lowering or 0.00, the connection is adequate. In the case there is no connection with the IsoMatch FarmCentre server, the value will increase.

- Total GPS points means the number of GPS coordinates that are received. No increment indicates that there is no GPS connection or coverage. After restarting the terminal this number starts at 0. IsoMatch FarmCentre currently uses a 10 second interval for renewing the value.

● **Actual statistics**

Actual statistics on received machine data from the implement which has to support IsoMatch FarmCentre data collection.

- Total. Total number of defined machine data values.
- Requested. Requested number of values.
- Responded. Received number of values.
- Changed. Number of values that have a changed value.
- Cumulative. The total since terminal restart.
- Cyclic. Cyclic is the total for each request interval.

● **Enable telematics on next boot**

Data collection can be switched off in case the implement and/or terminal does not work correctly due to ISOBUS load or implement/terminal limitations.

The GPS coordinates will still be sent and tasks can still be up- or downloaded remotely to/from IsoMatch FarmCentre server.

Note: The terminal requests all the different data values every 10 seconds, except for those values which are static (such as the implement model f. ex.).

The terminal only sends the initial values (at start up) and the changed values to the IsoMatch FarmCentre server.

The case that requested and responded counters are not equal can be due to implement connection/reconnection. A significant difference can result in a communication issue with the implement (ISO-BUS or implement problem).

▶ Press the **Confirmation button** to close the screen.



▶ Press the **Export button** to copy terminal log files on a USB stick.



▶ Press the **Import button** to download Telematics configuration data.



IsoMatch FarmCentre task data files

IsoMatch FarmCentre task data import, export and download

Pre conditions:

Task data files are in zip file format. The original task data folders and files must be zipped before using it in IsoMatch FarmCentre to be sent to a terminal.

Downloaded task data files from IsoMatch FarmCentre are also in zip file format.

Task data handling:

On the terminal task data can be

- imported from USB,
- imported from remote (IsoMatch FarmCentre) or
- created on the terminal.

Export is possible to USB and to IsoMatch FarmCentre (remote) for all imported/created tasks:

- USB imported or local created tasks exported to IsoMatch FarmCentre (remote).
- Task data result will be stored in IsoMatch FarmCentre in a new zip file with name **Unknown_Task-Data_Result** (currently all have the same name).
- Remote imported task data exported to remote.

Task data will be stored in the same file as the original sent and imported file.

- Remote imported tasks exported to USB.

The USB stick contains the task data folders. The task data zip file name is not exported, this means the USB export has no relation anymore with the task data file in IsoMatch FarmCentre.

- When task data is exported to remote and there is no connection to the IsoMatch FarmCentre server, the exported data remains on the terminal file system until it connects with IsoMatch FarmCentre.

In case there is no connection for a longer time period and the user wants access to the task data result the task data can also be backed up on USB via the export procedure. Instead of selecting 'Export task data to remote' insert a USB stick and select 'Export to remote backup'.

Note that the task data remains on the terminal and will be sent to IsoMatch FarmCentre when the terminal is connected again.

- Download task data (result) file. Task data download to your computer results in a zip file with the following folders:

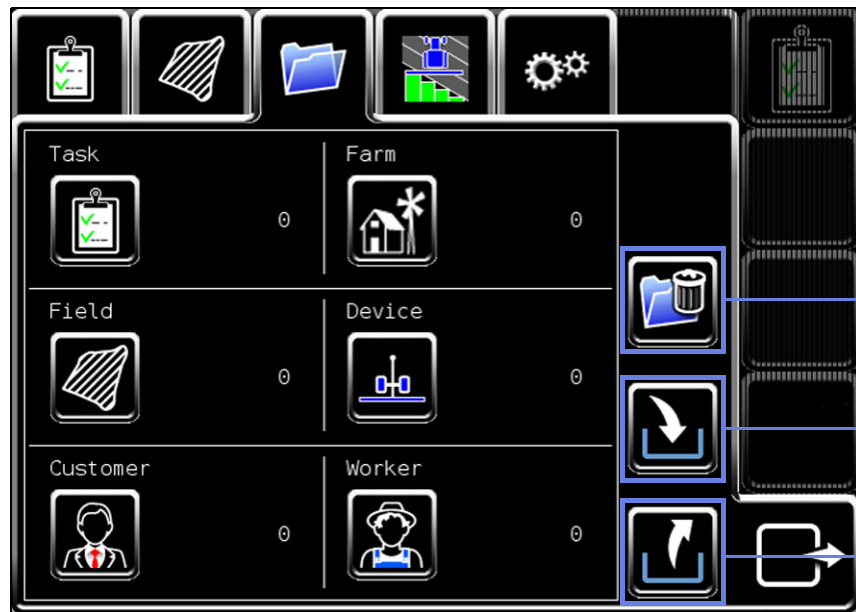
Remote Data Management

Remote Data Management consists of importing and exporting task data.

Remote Data Management is done in → Menu → Data management tab.

▶ Press onto the **Data management button**.

The Data management tab opens.



● Clear data base button

● Import task data button

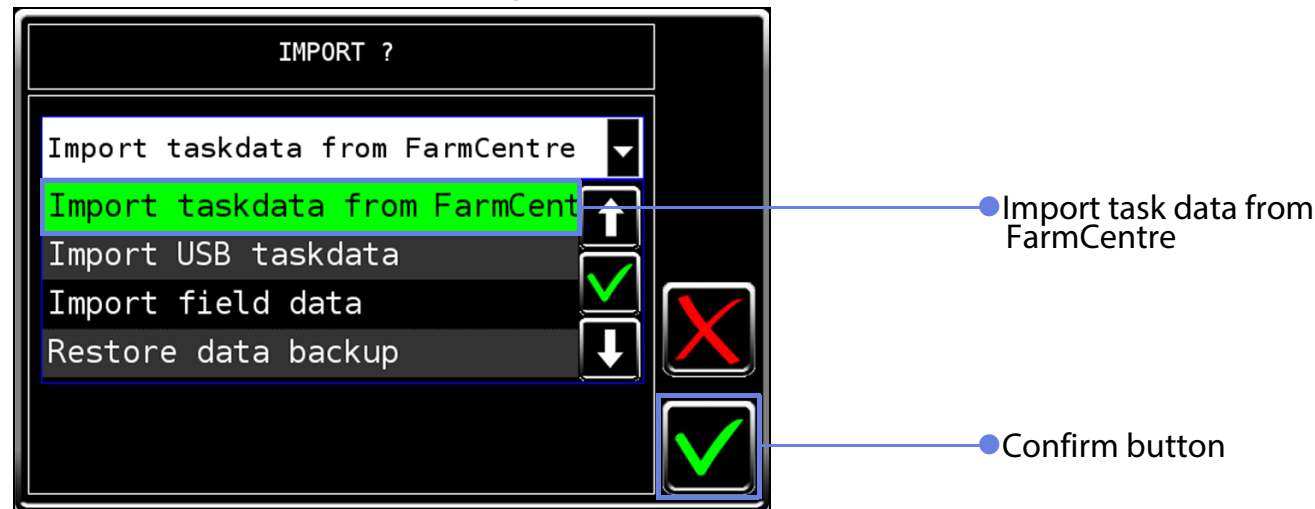
● Export task data button

Import task data from the IsoMatch FarmCentre server

The task file sent by the IsoMatch FarmCentre server is stored in the file system on the terminal.
Tasks from this task data file can be imported in GEOCONTROL.

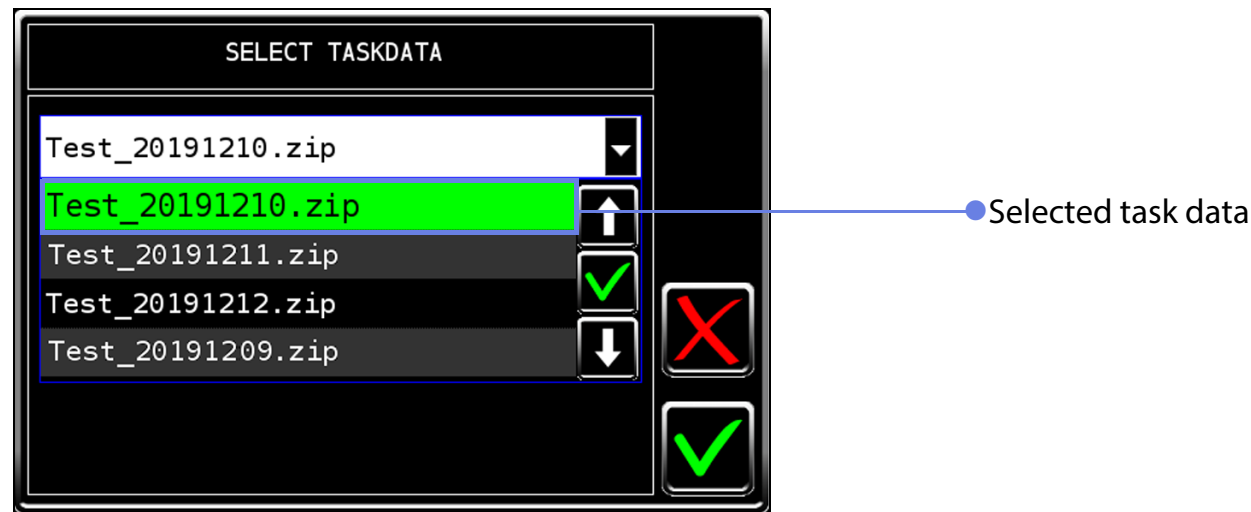
► Press the **Import task data button**.

The Import screen pops up, offering various import options.



► Select **Import task data from FarmCentre** press the **Confirm button**.

The **Select Taskdata** screen pops up.

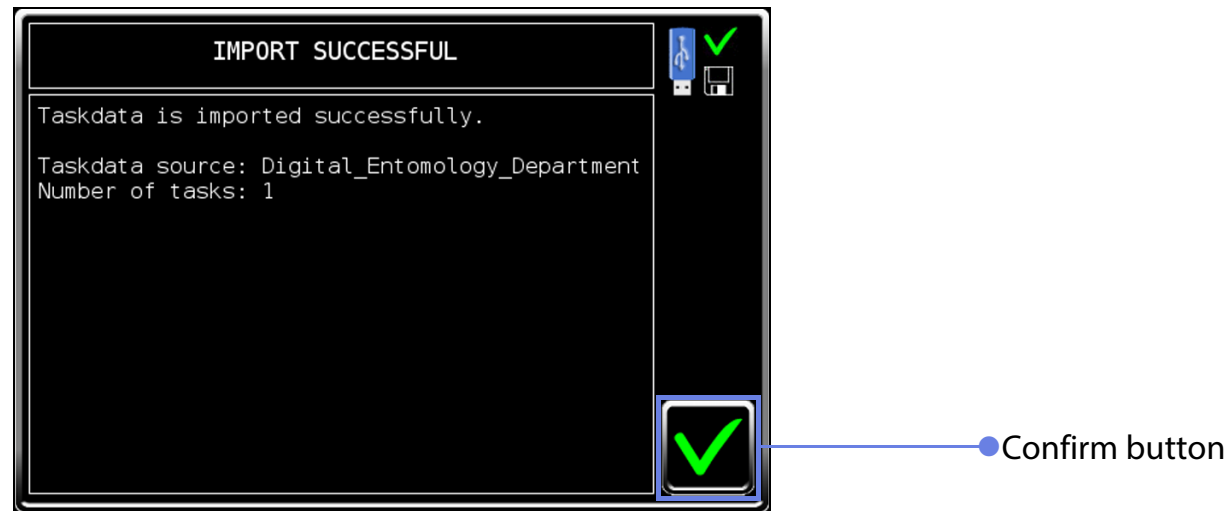


Note: All task data and data that was earlier imported will be removed from the application, before the new set of task data is imported. Fields and field boundaries that are created on the terminal will be kept.

- ▶ Select the task data meant to be imported and confirm the selection by pressing the **Confirm button**.



A progress bar will appear to indicate the status of the import action.
After the task data import action is executed successfully, the following screen appears.

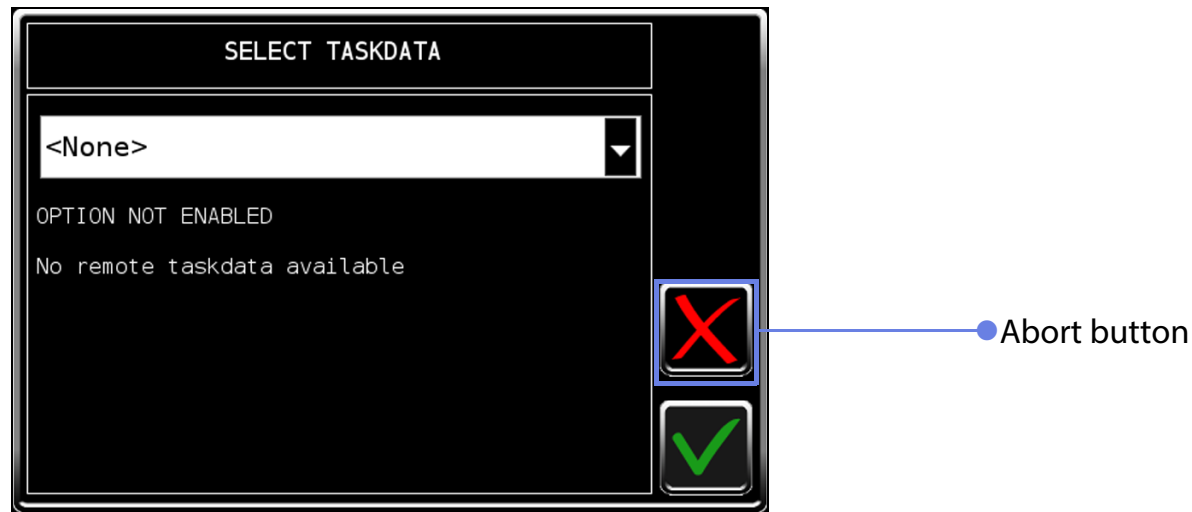


► Press the **Confirm button** get redirected back to the Data management tab.



Note: After import, the imported data and tasks are directly ready for use.

In the case that there is no remote task data available to be imported, the following screen pops up.



▶ Press the **Abort button** and get redirected back to the Data management tab.

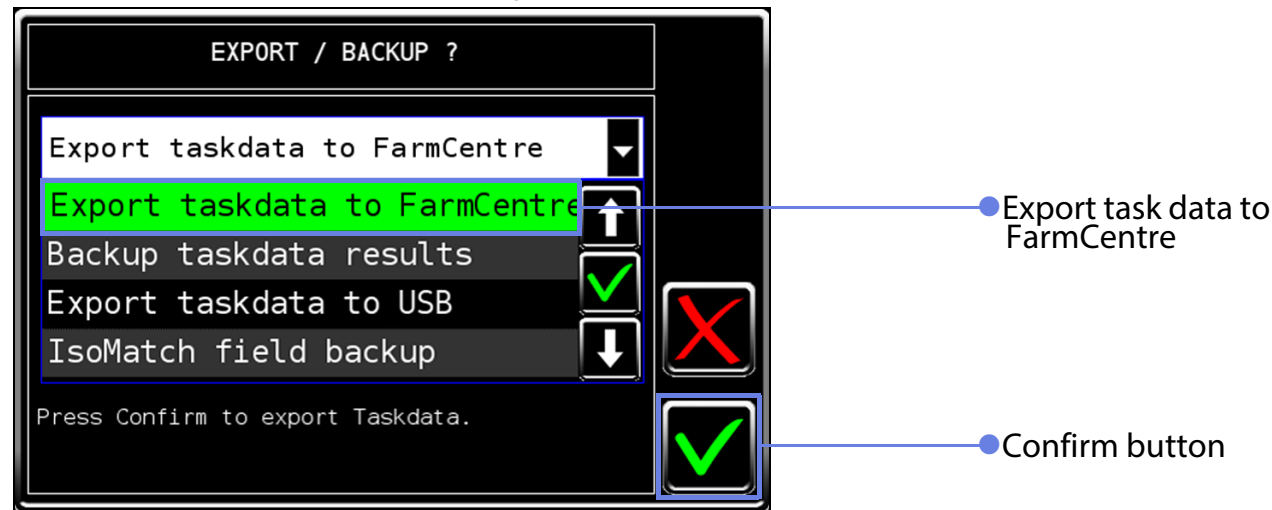


Export task data to the IsoMatch FarmCentre server

The task file sent by the IsoMatch FarmCentre server is stored in the file system on the terminal.
Tasks from this task data file can be imported in GEOCONTROL.

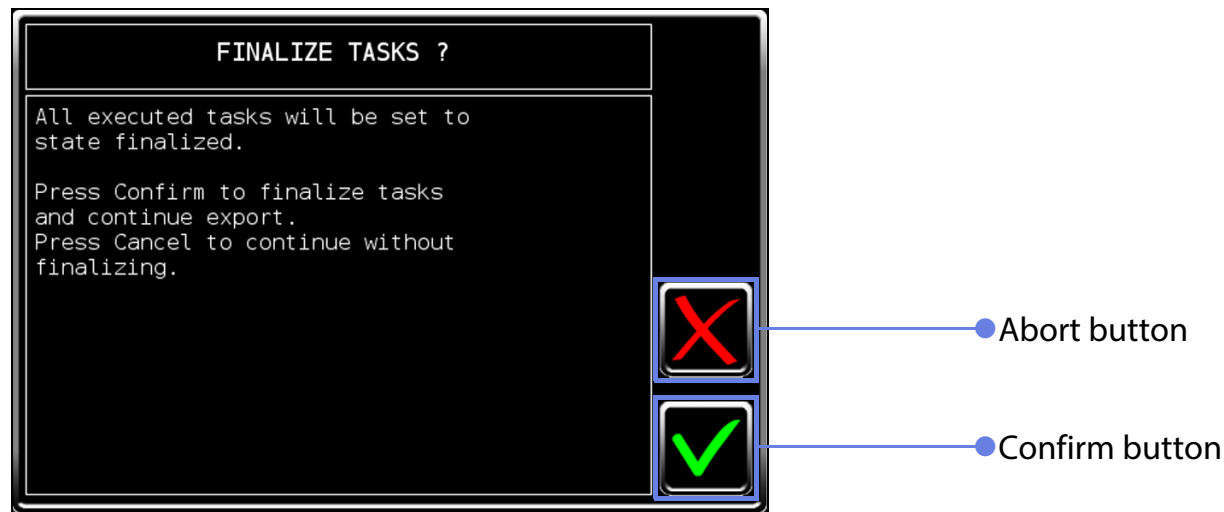
► Press the **Export task data button**.

The Import screen pops up, offering various export options.



► Select **Export task data to FarmCentre** and press the **Confirm button**.

The **Finalize Tasks** screen pops up.



Note: All executed tasks will be set to the state **finalized** and exported when pressing the **Confirm button**. By pressing the **Abort button** task data will be exported too, but the executed tasks won't get the tag finalized.

► Press the **Confirm button** to finalize tasks and continue with exporting remotely task data.

Otherwise press the Abort button to continue without finalizing.



A progress bar will appear to indicate the status of the export action.
After the task data export action is executed successfully, the following screen appears.



► Press the **Confirm button** get redirected back to the Data management tab.



Troubleshooting

Technical failure: What next?

When technical failure occurs



▶ **stop operation!**

▶ **refer to troubleshooting advices** to solve the problem!

▶ when the problem persists, **contact your dealer!**



Continuing to operate when technical failure occurs may lead to **damage to the terminal!**



During installation, welding and maintenance work, **disconnect power supply from the battery. The terminal may otherwise get damaged.**


Troubleshooting IsoMatch Mobile connectivity issues

Failure	Possible cause	Solution
No IsoMatch Mobile connectivity.	Telematics is not enabled on the terminal.	<ul style="list-style-type: none"> ▶ Enable Telematics in IsoMatch FarmCentre on the terminal by clicking on the IsoMatch Farm-Centre logo. ▶ Then enable it in the upper right corner.
	The SIM card is not inserted.	▶ Insert the SIM card.
	The SIM card has no contact.	▶ Clean the SIM card contacts with an eraser.
	The terminal is a K-Monitor (KUBOTA).	<ul style="list-style-type: none"> ▶ Check if the dongle is in the first USB port next to the ISB button. ▶ Change the port.
	The terminal is not connected to the network.	<ul style="list-style-type: none"> ▶ Check if the SIM card is activated. ▶ Contact your local KVERNELAND/ KUBOTA service point.

Troubleshooting IsoMatch Wireless connectivity issues

Failure	Possible cause	Solution
No IsoMatch Mobile connectivity.	Telematics is not enabled on the terminal.	<ul style="list-style-type: none"> ▶ Enable Telematics in IsoMatch FarmCentre on the terminal by clicking on the IsoMatch FarmCentre logo. ▶ Then enable it in the upper right corner.
	The SIM card is not inserted.	▶ Insert the SIM card.
	The SIM card has no contact.	▶ Clean the SIM card contacts with an eraser.
	The terminal is a K-Monitor (KUBOTA).	<ul style="list-style-type: none"> ▶ Check if the dongle is in the first USB port next to the ISB button. ▶ Change the port.
	The terminal is not connected to the network.	<ul style="list-style-type: none"> ▶ Check if the SIM card is activated. ▶ Reset the router. ▶ Replace the dongle. ▶ Contact your local KVERNELAND/ KUBOTA service point.

Troubleshooting GPS signal issues

Failure	Possible cause	Solution
No GPS signal.	Location inside a building (shed) or shielded by buildings, trees, etc.	<ul style="list-style-type: none"> ▶ Move to an unshielded place. ▶ Then enable it in the upper right corner.
	Usage of Kverneland GPS receiver/antenna.	<ul style="list-style-type: none"> ▶ Check cables and cable connections from the receiver to the terminal. ▶ For explanation see the  IsoMatch GEOCONTROL user manual. ▶ Contact your local KVERNELAND/ KUBOTA service point.
	Usage of third party brand receiver/antenna.	<ul style="list-style-type: none"> ▶ Check cables and cable connections from the receiver to the terminal. ▶ Contact service third party brand.

Troubleshooting on implements issues

Failure	Possible cause	Solution
The implement is not connected with IsoMatch FarmCentre.	The implement is not a KVERNELAND, VICON or KUBOTA implement.	IsoMatch FarmCentre does not work with third party branded implements.
	The implement is a KVERNELAND, VICON or KUBOTA implement.	<ul style="list-style-type: none">▶ Disconnect and then reconnect the ISOBUS connector.▶ Contact your local KVERNELAND/KUBOTA service point.

Troubleshooting TaskData issues

Failure	Possible cause	Solution
It is not possible to send tasks to the terminal.	No internet connection.	▶ Check your internet connection.
	The SIM card is not inserted.	▶ Insert the SIM card.
	The task data file is not zipped to ZIP format.	▶ Zip the task data file and retry to send it.
	The task data is not written in ISO-XML format.	▶ Convert it to ISO-XML format. Other formats can not be converted nor send to the terminal.
	An error message is given from the website.	▶ Contact your local KVERNELAND/ KUBOTA service point.

Troubleshooting on permissions issues

Failure	Possible cause	Solution
It is not possible to give permission to other users or to add users.	The user in question has no proper IsoMatch FarmCentre account.	It is not possible to give permission to other users or to add users if they do not have a o proper IsoMatch FarmCentre account.
	The user in question has a proper IsoMatch FarmCentre account.	►Contact your local KVERNELAND/ KUBOTA service point.

Troubleshooting on sending Taskdata issues

Failure	Possible cause	Solution
The terminal is buffering data but not sending.	No internet connection.	<ul style="list-style-type: none"> ▶ Drive a short distance to establish a stable internet connection. ▶ See troubleshooting ↻IsoMatch Mobile connectivity and ↻IsoMatch Wireless connectivity.
	Telematics is not enabled on the terminal.	<ul style="list-style-type: none"> ▶ Enable Telematics in IsoMatch FarmCentre on the terminal by clicking on the IsoMatch FarmCentre logo. ▶ Then enable it in the upper right corner.
	The internet connection is established by a wifi dongle.	<ul style="list-style-type: none"> ▶ Make sure that the internet connection is stable with a mobile hotspot or close to a router. ▶ Reset the router. ▶ Contact your local KVERNE-LAND/KUBOTA service point.

Cleaning and storage

This chapter provides instructions for the cleaning and storage of the product/machine.

Cleaning the product

- ▶ Keep the product clean in all conditions.
- ▶ Clean the product with a dry or slightly wetted cloth.

Cleaning cables and connectors

- ▶ Do not clean cables and connectors with water.
- ▶ Clean the cables and connectors with a dry piece of cloth.

Storing the product

- ▶ When the product/machine is not mounted on the tractor, store it in a dry and clean place. Obey the storage ambient temperature range.

Disposal

When the functional life of this product has expired it needs to be disposed in an Eco friendly way.

- ▶ Dispose the device parts in the correct way.
- ▶ Obey local rules.

Plastics

- ▶ Dispose plastics as normal waste or in accordance with local rules.

Metal

- ▶ Send metal to a metal recycling facility.

Printed circuit board

- ▶ Send electronics to a specialised recycling facility or send it back to the manufacturer, who will dispose it in an environmentally friendly way.

EC-Declaration of Conformity

(according to Directive 14/30/EU)



We:

Kverneland Group Mechatronics B.V.

Hoofdweg 1278

NL-2153 LR Nieuw Vennep

The Netherlands

Declare, solely under our own responsibility, that the following product (products):

ISOMATCH FARMCENTRE and accessories

complies to the following relevant parts of the directive:

EMC Directive 14/30/EU - by applying the relevant parts of the following (harmonised) standards:

EN-ISO 14982: 2009 Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria

When applicable, our systems comply to Directive 14/53/EU by selection of CE-marked components.

A handwritten signature in black ink, appearing to read "Sanne de Voogd".

Sanne de Voogd

General manager and authorised representative

Nieuw Vennep, 1 Januar 2020

