

Remote machine management system



**Smart Assist Remote Construction Machinery** 

**Operating Instructions** 

Log into the Smart Assist Remote Website



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# Before use

Smart Assist Remote is a service that can be used by those who have entered a contract using the "SMARTASSIST-Remote Application Form".

#### Recommended operating environment

We recommend the following environment.

- Web browser: Latest version of Google Chrome

- Display resolution: 1024 x 768 px or higher

#### Notation

[]: Indicates a screen name, function name, item name, button, or link to be clicked.

": Indicates emphasized text or a reference to another page.

#### Email about contract completion

After entering a contract, an email about completion of registration will be sent to your email address.

The email about completion of registration contains the following information.

- Smart Assist Remote URL
   https://smartassist.yanmar.com/smartassist/CloudServlet
- Initial ID and password for logging into Smart Assist Remote
- You can change your ID and password by referring to "Change the login password (P.24)".
- Take note of your ID and password and store them in a safe place hidden from others.

# Features of Smart Assist Remote

Smart Assist Remote allows you to use the following convenient functions to manage machines equipped with Smart Assist Remote through your computer's web browser.

#### Check the location of machines on the map

Look at the icons displayed on the map to check the status of each machine at the time of its last operation and whether there are any errors.

#### Check managed machines in a list with the search function

Check the hour meters in a list of managed machines equipped with Smart Assist Remote. You can also download the list of machines as a CSV file.

#### Prevent theft by setting operating hours and operating ranges

Set machine operating hours and operating ranges, and receive email notifications when machines operate out of their respective set ranges.

#### Register groups and nicknames for quick searching

Register nicknames and groups for each machine, such as purpose, location, or organization to make searching easier.

#### Check past operating status

Check the days when machines were operated and the operating hours for each operating day on the calendar and graph.

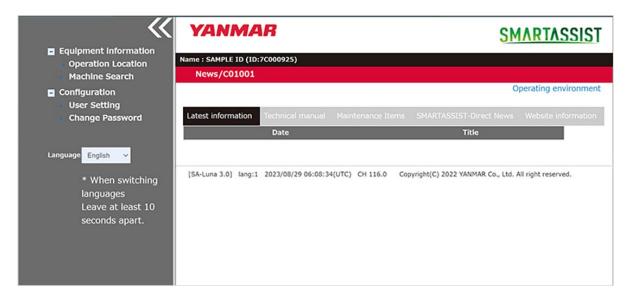
# Screen layout and basic functions

When you log into Smart Assist Remote, the [News] screen is displayed.

The menu on the left side contains links to functions that can be used with Smart Assist Remote. Clicking on a sub item will display the function in a new window or on the right side of the screen.

Search for a machine using the new window that is displayed and the search area that is displayed on the right. With Smart Assist Remote, you can search for the target machine using the following two search methods.

- Search from the map (P.6)
- Search from a list of machines (P.7)



#### [News] on the home page

In addition to important notices such as Smart Assist Remote server maintenance, various information is organized by type and provided in tabs.

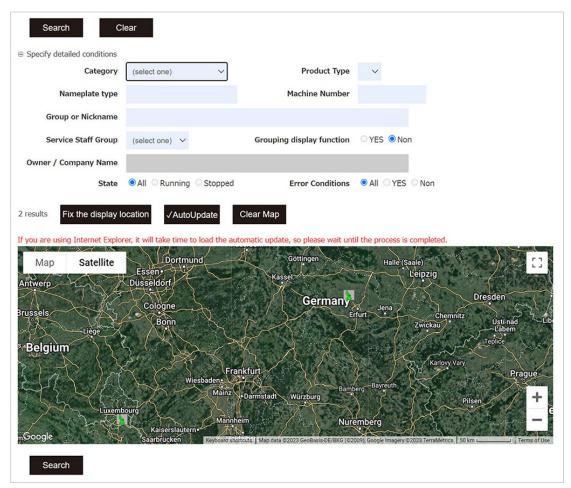
## Search from the map

Click [Operation Location] in the menu to display the [Operation Location] screen, where you can check the machine location on a map.

The search results on this screen display machine icons on the map as machine location information.

Click on an icon to see detailed information about that machine.

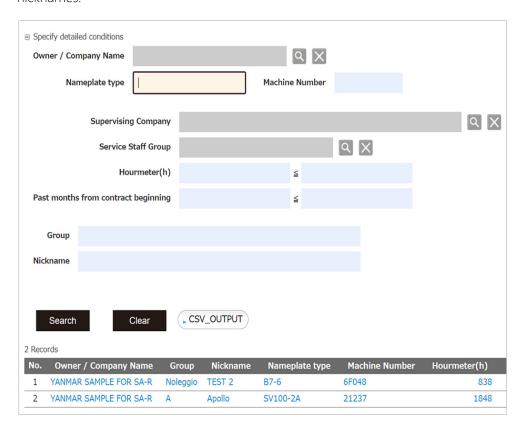
With [Operation Location], you can use the map for the search results to quickly detect machine errors and theft.



For details on operating the [Operation Location] screen, refer to "Check the current location and operating status of a machine (P.9)".

#### Search from a list of machines

Click [Machine Search] in the menu to display the [Machine Search] screen, where machine search results can be displayed in a list. [Machine Search] is useful for viewing multiple machines in a list. You can also use convenient functions to manage each machine, such as setting the range of theft detection, or assigning group names and nicknames.



For details on operating the [Machine Search] screen, refer to "Check detailed machine information (P.13)".

## Useful functions in the [Machine Search] screen

The following are useful functions for managing each machine with Smart Assist Remote.

#### Theft detection setting

Set machine operating hours and ranges to receive email notifications when the machine is confirmed to be operating out of its respective range.

- <u>Set theft detection conditions</u> (P.15)

#### Group/nickname setting

Register a nickname or group to the machine to make searching easier with Smart Assist Remote.

- <u>Set a service representative group</u> (P.17)

#### Operating machine details

Check the date when a machine was operated and the operating hours for each operating day.

- <u>Check machine operating status</u> (P.19)

# Peripheral machine search

Search for managed machines nearby a specific machine.

- Search for machines that exist nearby a specific machine (P.18)

# Notification stop setting

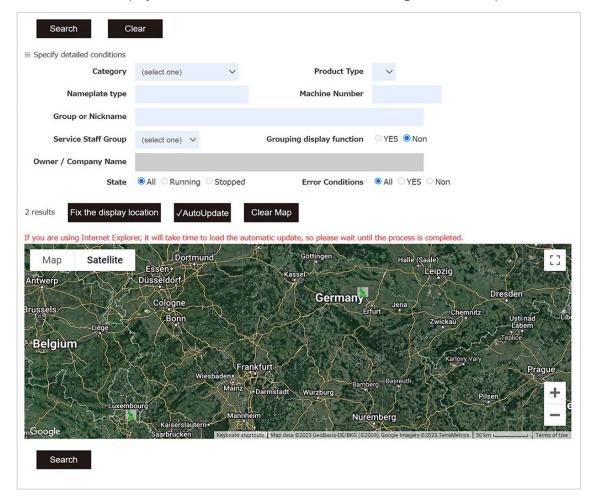
Stop notifications from [Theft detection setting (P.7)] for a certain period of time. This function is used during periods such as maintenance.

- <u>Temporarily stop notification emails</u> (P.22)

# Check the current location and operating status of a machine

Look at the icons displayed on the map to check the operating status of each machine at the time of its last operation and whether there are any errors.

- 1. Click [Operation Location] in the menu to display the [Operation Location] screen.
- 2. Click [Search] to display search results (machines that can be managed) on the map.



The icon color of each machine indicates the operating status.

Icon color		Machine status	Error	Occurrence of error		
	Red	Background: Operating White	Yes	Within the past 30 minutes		
	Yellow		Operating	Operating	163	Within the past 24 hours
	Green			No	Error may have occurred over 24 hours ago	
	Red	Background: Stopped	Yes	Within the past 30 minutes		
	Yellow		163	Within the past 24 hours		
9	Green	,		No	Error may have occurred over 24 hours ago	

- You can use the search fields in the search area to search by keyword and narrow down the machines

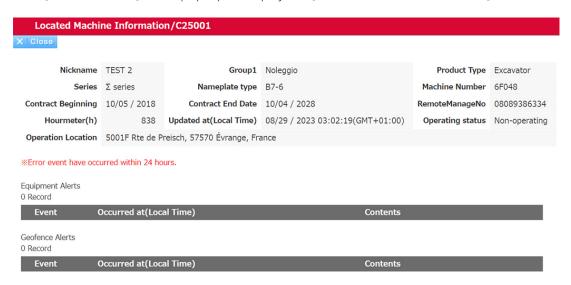
displayed on the map. For details, refer to "Search for machines by keyword (P.11)".

- Adjust the scale of the map by clicking [+] and [-] at the bottom right of the map.
- Drag the map to adjust its display position as necessary. To view the map in full screen, click [ ] at the top right of the map.
- If you click "✓ AutoUpdate (redraw at regular intervals)", the map will be redrawn up to 30 times at 60 second intervals (the redraw counter will be reset if you search again). At this time, if a machine is operating, its location will also be updated, and if the machine has an error, the icon color will also change.
- You can change the initial display position of the map. For details, refer to "Change the initial display position of the map (P.11)".

When you click on an icon on the map, basic information about the clicked machine will be displayed in a pop-up.



Click [INFORMATION] in the pop-up to display the [Located Machine Information] screen.



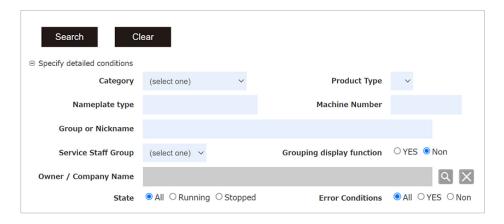
On the [Located Machine Information] screen, you can check the machine information as well as the histories for [Equipment Alerts] and [Geofence Alerts].

## Search for machines by keyword

Keyword search is a useful way to quickly find the desired machine from among the many managed machines.

On the [Operation Location] screen, you can narrow down your search by various categories.

Enter keywords in the search fields or select from the drop-down menus and click [Search].



- If a field is grayed out and you cannot enter keywords, click and search further in the new window that is displayed.
- Click [Clear] to delete the keywords in the search fields.

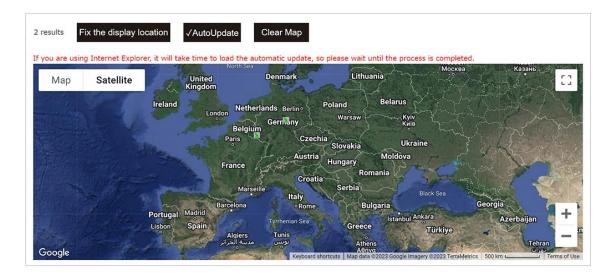
#### Tip

- You can use [State] and [Error Conditions] to narrow down machines by their status.
- To search by [Group or Nickname], it must be registered on the machine in advance. For details, refer to "Assign nicknames/divide into groups (P.21)".

## Change the initial display position of the map

If you click [Fix the display location] with the map displayed at your preferred scale and location, subsequent search results will be displayed with the map at the scale and location you set.

For example, with an area in Japan initially displayed, if you use the mouse to display an area in Europe and click [Fix the display location], that area in Europe will be displayed thereafter.



#### How to set

- 1. Adjust the scale of the map by clicking [+] and [-] at the bottom right of the map.
  - Adjust the map display position by dragging the map.
  - To view the map in full screen, click [ ] at the top right of the map.
- 2. After adjusting the scale and position of the map, click [Fix the display location].

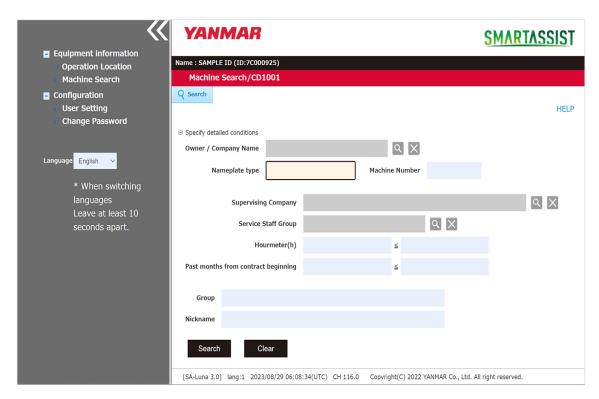
  The map will be displayed at the changed scale and position thereafter.

## Tip

- To change the scale or position of the map again, repeat the same procedure.

## Check detailed machine information

1. Click [Machine Search] in the menu to display the [Machine Search] screen.



2. Click [Search] to display search results (list of machines) under [Search]. The search results are useful for checking the hour meters in a list of machines.

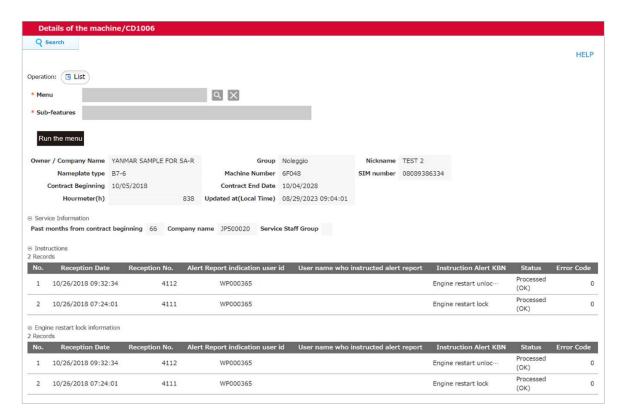


- To narrow down your search results, enter keywords in the search area fields and click [Search] again.
- If a field is grayed out and you cannot enter keywords, you can click and enter keywords by searching further in the new window that is displayed.
- Click [Clear] to delete the keywords in the search fields.
- To reset the search results and search again, click switch.

#### Tip

- Click [CSV\_OUTPUT] displayed with the search results to download the search results (list of machines) as a CSV file.
- To narrow down your search by group or nickname, it must be registered in advance. For details, refer to "Assign nicknames/divide into groups" (P.21)".

- You can make the search results easier to view by clicking in [Specify detailed conditions] to temporarily hide the search area. Click it again to display.
- 3. Click on a machine in the search results to display the [Details of the machine] screen.



On the [Details of the machine] screen, you can check the following information in addition to basic machine information.

#### Service information

Check information such as the number of months elapsed for the machine's contract.

#### Operation information

Check the history of remote operations such as notifications for machine location information and locking/unlocking engine restart.

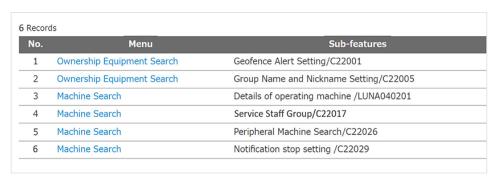
## Engine restart lock information

Displayed when locking and unlocking engine restart (which cannot be performed by the user) to be checked as history.

## Set theft detection conditions

By setting a machine's operating hours (for example, from 8:00 to 19:00) and operating range (such as a 2 km radius from a certain point), you can receive email notifications if the machine operates out of the set time and range.

- 1. In the search results on the [Machine Search] screen (P.13), click the machine whose theft detection conditions you want to set to display the [Details of the machine] screen.
- 2. Click next to [Menu] on the [Details of the machine] screen, and in the newly displayed window, click [Geofence Alert Setting] for "No. 1".



3. Click [Run the menu] and set [Operating Time Setting Valid] and [Geofence Setting Valid].

## Set operating hours

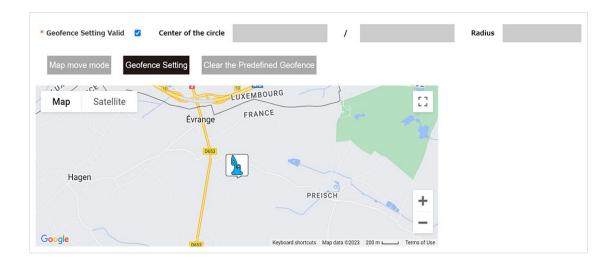
Select the [Operating Time Setting Valid] checkbox and set the start and end times of operation.



If the engine starts outside of the time set here, the machine will be detected as stolen and you will receive an email notification.

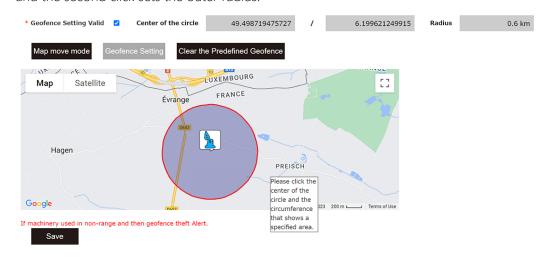
#### Set operating range

- 1) Select the [Geofence Setting Valid] checkbox to enable this function.
- 2) Adjust the scale of the map by clicking [+] at the bottom right of the map.



Drag the map to adjust the display position of the machine (icon) as necessary. To view the map in full screen, click  $\begin{bmatrix} \mathbf{L} & \mathbf{J} \end{bmatrix}$  at the top right of the map.

3) Set the operating range on the map with two mouse clicks. The first click sets the center of the range, and the second click sets the outer radius.



To reset the range, click [Clear the Predefined Geofence].

#### Tip

- If you set a strict operating range, the machine may be mistakenly detected as stolen even though it is within the operating range. We recommend setting it slightly wider.
- 4. Set the operating hours and operating range and click [Save].

Setting the operating hours and operating range with the procedure above is now complete.

# Set a service representative group

This function allows you to register the name of the group in charge of service for each machine.

# Tip

- This function must be registered by Yanmar. The user does not need to make any changes.

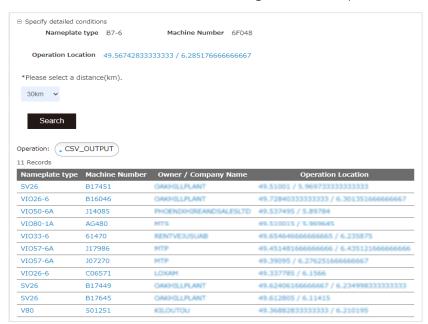
# Search for machines that exist nearby a specific machine

Search for managed machines nearby a specific machine. This is a convenient function for inspecting nearby machines while visiting for service.

- 1. In the search results on the [Machine Search] screen (P.13), click a machine to display the [Details of the machine] screen.
- 2. Click next to [Menu] on the [Details of the machine] screen, and in the newly displayed window, click [Peripheral Machine Search] for "No. 5".



3. Click [Run the menu], select the search range from the drop-down menu, and then click [Search].



If there are managed machines nearby the machine selected in Step 1, a list of machines will be displayed as a search result.

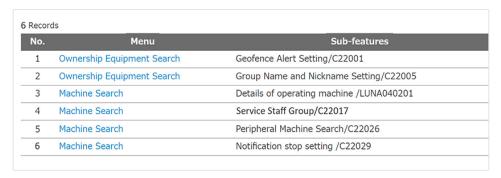
#### Tip

- You can click the location information link displayed in [Operating Location] to check the area around the machine selected in Step 1 on the map.

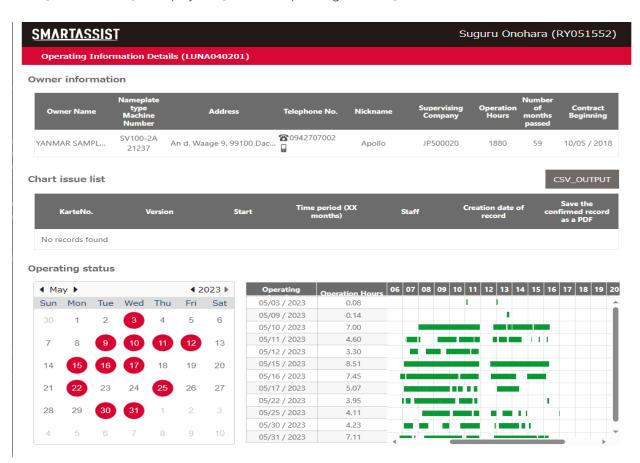
# Check machine operating status

Check the days when machines were operated and the operating hours for each operating day on the calendar and graph. You can also check owner information, and history of theft and error notifications, as well as the machine's operating location on the map at the bottom of the screen.

- 1. In the search results on the [Machine Search] screen (P.13), click the machine whose operating status you want to check to display the [Details of the machine] screen.
- 2. Click next to [Menu] on the [Details of the machine] screen, and in the newly displayed window, click [Details of operating machine] for "No. 3".



3. Click [Run the menu] to display the [Details of operating machine] screen.



- [Operating status]: The red circles in the calendar are operating days. You can also check past

operation by navigating the month and year at the top of the calendar. The graph next to the calendar shows the operating hours for each operating day.

# No. Occurred at Status Category Urgency Nameplate type Machine Number No records found Error description Responders Date/Time Support contents No records found

#### **Operation Location**

Weiterstädter Str. 6, 99994 Nottertal-Heilinger Höhen, Germany



To working machine information list

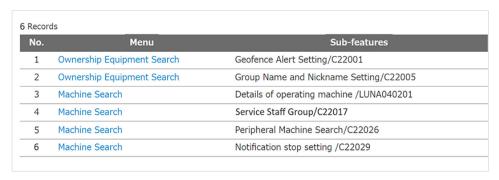
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- [Equipment Alarts History]: Displays the histories of machine error and theft notifications.
- If [CSV\_OUTPUT] is displayed at the top right of an item, you can download the log for that item.

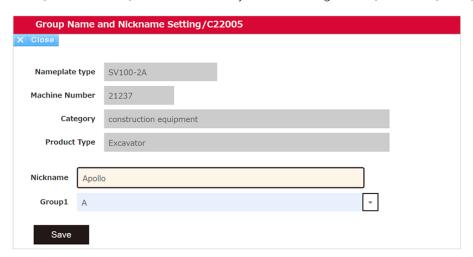
# Assign nicknames/divide into groups

Register nicknames and groups for each machine, such as purpose, location, or organization to make searching easier.

- 1. In the search results on the [Machine Search] screen (P.13), click the machine whose nickname or group you want to register to display the [Details of the machine] screen.
- 2. Click next to [Menu] on the [Details of the machine] screen, and in the newly displayed window, click [Group Name and Nickname Setting] for "No. 2".



3. Click [Run the menu], enter the names you want to register in [Nickname] and [Group 1], and click [Save].



With this procedure, the nickname and group will be registered and can be used as search keywords.

#### Tip

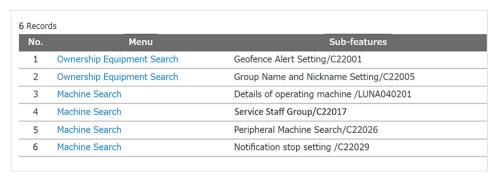
- To register to a group that has already been registered on another machine, select it from the drop-down menu.

# Temporarily stop notification emails

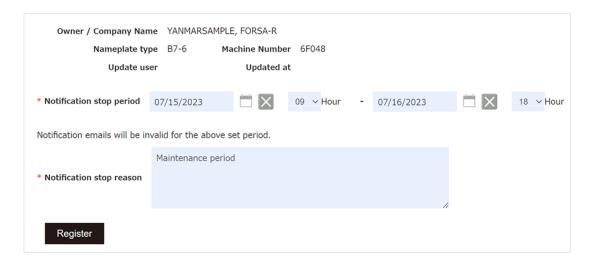
You can temporarily stop the function that notifies you when a machine exceeds its operating hours/range ([Geofence Alert Setting (P.15)]) or when an error occurs in the machine. Use this when the machine will be operated outside of operating hours or operating range due to reasons such as maintenance.

You can stop notifications by period, and set the start and end dates and times.

- 1. In the search results on the [Machine Search] screen (P.13), click the machine whose notifications you want to temporarily stop to display the [Details of the machine] screen.
- 2. Click next to [Menu] on the [Details of the machine] screen, and in the newly displayed window, click [Notification stop setting] for "No. 6".



3. Click [Run the menu] and on the screen that is displayed, set the [Notification stop period] and enter the [Notification stop reason].



#### Tip

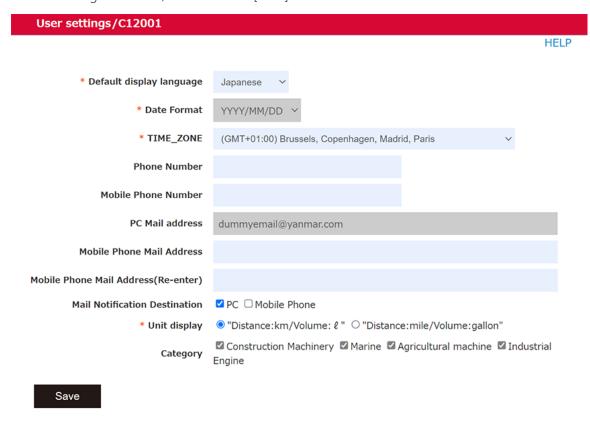
- [Notification stop period] sets the start and end dates and times. Select the date from the calendar (click the calendar icon) and the time from the drop-down menu.
- We recommend that you enter the reason in [Notification stop reason], such as "Maintenance period".
- 4. After setting each item, click [Register].

With the procedure above, email notifications will be stopped for the set period.

# Check and change Smart Assist Remote user information

Smart Assist Remote user information is registered information about users who can log into Smart Assist Remote, and can be checked and changed in [User Setting] from the menu.

Enter or change the items, and then click [Save].



#### Tip

- [Date Format]: Depends on the display language setting of Smart Assist Remote (cannot be changed manually). Example: [MM/DD/YYYY] if displayed in English.
- [TIME\_ZONE]: Set to the region where you will use Smart Assist Remote.
- [Phone Number]: Register the phone number of the Smart Assist Remote user. Also register a [Mobile Phone Number] if necessary.
- [PC Mail address]: Register or change by selecting [Change Password] from the menu. For details, refer to "Change the registered email address" (P.24)".
- [Mobile Phone Mail Address]: Register if you want to also receive notification emails on an email address separate from [PC Mail address]. At the same time, select [Mobile Phone] in [Mail Notification Destination].
- [Category]: Machine categories that can be managed using your Smart Assist Remote. However, this item cannot be changed.

## Change the login password

Use this to change the login password for Smart Assist Remote.

- 1. Click [Change Password] in the menu to display a new tab in your web browser.
- 2. Click [Change Password] to display the [Change Password] screen.
- 3. Follow the new password requirements listed on the screen and enter your old and new passwords.



4. Click [Change].

The procedure above will change the Smart Assist Remote login password.

## Change the registered email address

You can change the email address that receives email notifications for machine theft or errors.

- 1. Click [Change Password] in the menu to display a new tab in your web browser.
- 2. Click [View or change profile] to display the [User Information] screen.
- 3. Click [Change] and enter the new email address on which you want to receive notification emails in [Mail Address].



4. Click [Save].

The procedure above will change the email address that receives notification emails.

# Tip

- The email address that will be changed with this procedure is <u>PC Mail address</u> (P.23)] on the [User settings] screen.
- You can receive notifications on up to two email addresses.

  To add an email address on which to receive notifications, register a new email address in [Mobile Phone Mail Address] on the [User settings] screen. For details, refer to "Check and change Smart Assist Remote user information" (P.23)".

