

# Memo product manual

Version 1.2

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# Index

	Page
1. What is Memo?	3
2. Installation	4
3. Online settings	5
4. Games	8
• General	
• Overview	
5. Sound	10
6. Language	10
7. Sustainable design	11
8. Maintenance	12
9. Warranty	12
10. Technical information	13
11. Versions	14

Yalp sports- & play equipment

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# 1. What is Memo?

Memo is an interactive playground device with 7 posts placed on a circular field with a diameter of 8 meters. You can play different games on Memo using the 360 degree touch sensitive colour displays on the posts. Game feedback is visible on the displays, and sounds add to the play experience.

Memo works intuitively: you can choose the games using one button in the main post in the middle. Each game starts with a short explanation after which the player can discover and play the game any way he wants.

The various games are a balanced mix between fun and education, each one challenging for a wide spectrum of users. For example there are sporty games in which you have to tag as much posts as possible, but also math games where you have to use your brain to win.

Thanks to the wireless internet connection of the Memo the games get regular updates, and new games and functions can be added in the future.

Key points of Memo:

- Fun learning (serious gaming)
- Intuitive play, easy to use
- Exploration, creativity in play
- Freely accessible, also for handicapped
- Multiple players at the same time



## 2. Installation

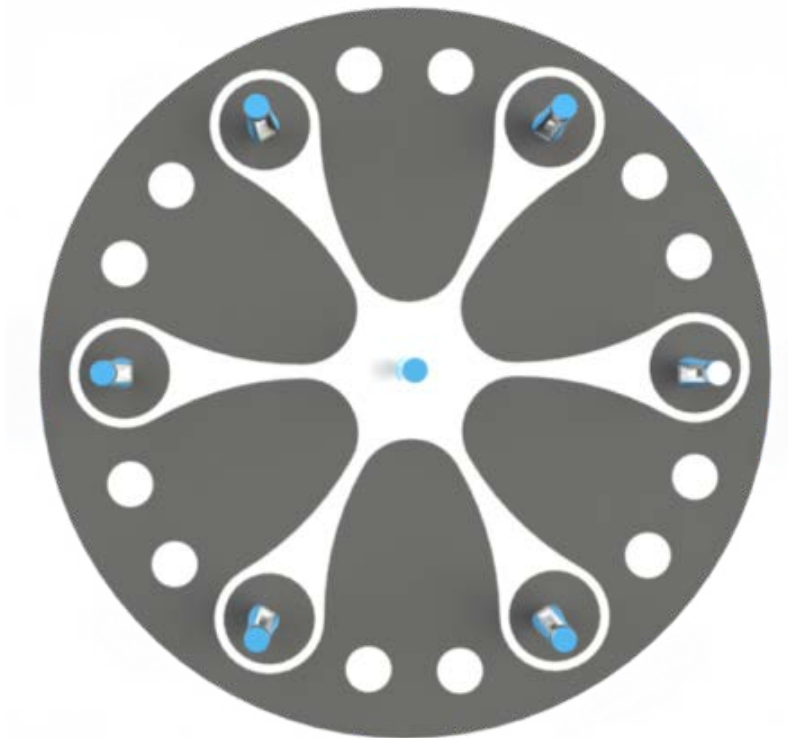
NB. Detailed installation instructions can be found in the Memo installation manual. In this product manual only the necessary preparations and general information are mentioned.

### Installing Memo

Memo exists of 1 master post, and 6 basic posts. The master post is placed in the middle of the play floor and contains the main computer and connection to the main power supply.

The 6 basic posts are placed in a circle of 6 meters diameter around the master post. Each post is fixed to the ground with 4 bolts.

For the play floor, we recommend to use artificial turf/grass as this looks good, is cost effective and has a nice feeling. Other possibilities are for example rubber pour, painting on concrete (tiles), or whatever may seem suitable. Each surface and location will have a different installation approach. Please contact Yalp for the possibilities.

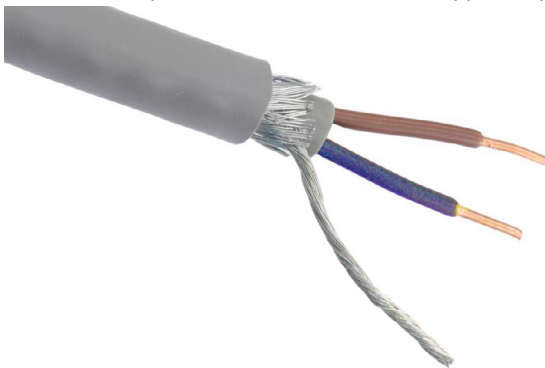


Top view of Memo (master post recognizable as blue dot in the middle).

### Mains power

The Memo can be installed on mains power (230V AC).

Every Memo comes with an adapter to connect the 230V to. It is important to use a double shielded power cable for safety reasons, and have this installed on a separate group. The power cable will go into the master post of the Memo. The type of power cable to use: Ymvk ground cable, 2 cores, 2,5mm<sup>2</sup>.





## 3. Online settings



You can manage your own device(s). Go to <http://www.yalpinteractive.com/> and click 'login'. Log in with your user name and password, which is sent after signing the service agreement.

Login information  
Web address: my.yalp.nl  
Login: <user name>  
Password: \*\*\*\*\*

Different menu's are available on the website:

### PRODUCTS

'Products' has 3 submenu's:

- 'My products': shows your products to manage
- 'Online products': shows your products which are online
- 'Offline products': shows your products which are offline

### LOCATIONS

By clicking on 'my locations' you can select a product by location.

### RANKING

In 'ranking' you will find the playtime of all products. You can see which product is most used.

### HELP

In 'help' you can find the product manual per product.

### INFO

In 'info' you can change your account settings, contact us or log off.

Homepage: click on 'products' and 'my products' to manage your products.

Product name	Count
Toro	0
Sutu	8
Sona	10
Memo	2

Select Memo.

#	Yin	Product name	Status	Last connection
1	10994	Sona Yalp	Idle	2015-12-08
2	11001	Sutu Yalp	Idle	2015-12-08

Statistics are shown per product.

## Memo Yalp

Yinid: 15003

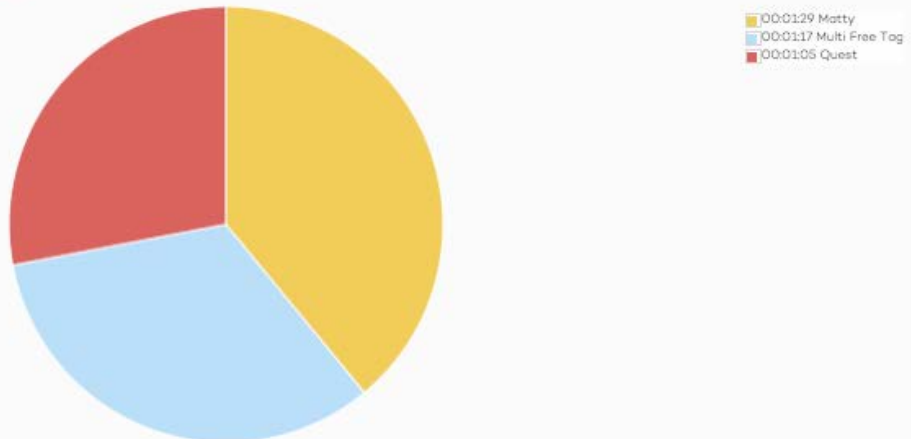
Online Idle latest log: 2015-12-08 13:50:41

Stats Log Setup Info

### Statistics

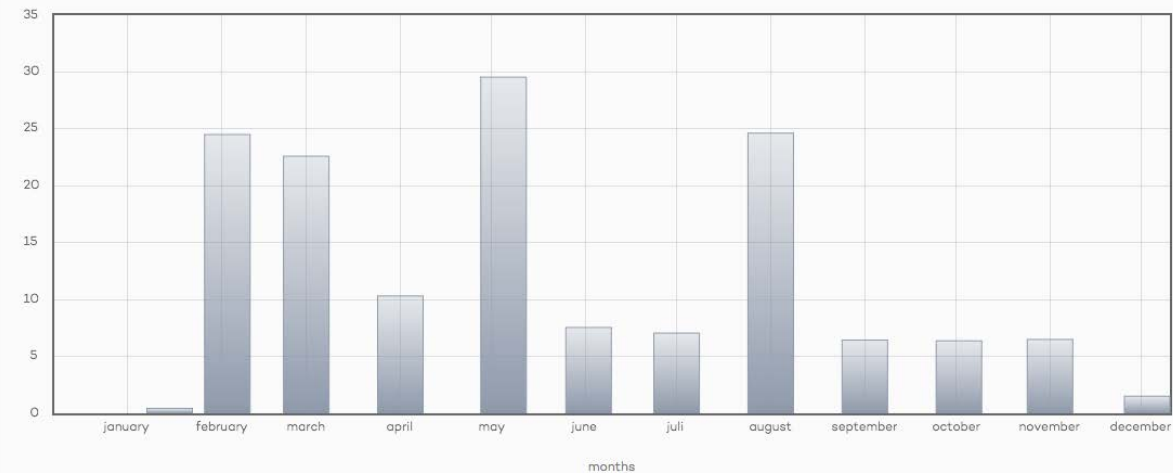
start: 08-12-2015 end: 08-12-2015 Get

Total played hours: 00:03:51 h:mm:ss



### Hours played throughout the year

hours



For each product you can look into the log. The log shows detailed background information that may help with problem solving.

## Memo Yalp

Yinid: 15003

Online Idle latest log: 2015-12-08 07:01:14

Stats Log Setup Info

amount of rows: 10 20 50 100 200

Yinid	Message	Last Logtime	# Incidents
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In setup you can set the on/off time, the volume, the languages and select games.

## Memo Yalp

Yinid: 15003

Online Idle latest log: 2015-12-08 07:01:14

Stats Log Setup Info

### Games

Select games (maximum of 5)

- ☐ Switch
- ☐ Dizzy
- ☒ Multi Free Tag
- ☒ Matty
- ☐ Sequence Memo

save

### Settings

Restart the product

restart

Selectable languages

If none selected, EN will be activated

- ☒ EN
- ☒ DE
- ☒ NL

save

Set the time to idle in seconds

56

save

Set volume

5

save

### Time

	on	off
Monday	00:00	23:00
Tuesday	00:00	23:00
Wednesday	08:00	21:00
Thursday	00:00	23:00
Friday	00:00	23:00
Saturday	00:00	23:00
Sunday	00:00	23:00

edit

In info you can find the product information.

## Memo Yalp

Yinid: 15003

Online Idle latest log: 2015-12-08 07:01:14

Stats Log Setup Info

Product Location Weather

### Product information

## 4. Games

### General

The Memo has different games to play, and more will be developed in the future. The key words of these games are: SIMPLE, OPEN and FUN with a twist of BRAINS. Children will be challenged to use their own fantasy and creativity.

Memo games can be activated on <http://my.yalp.nl> (chapter 3). A maximum of 5 games can be active at the same time, to make it simple for the users. If a new game becomes available it will be uploaded on your Memo.

With a push on the button of the master post a choice can be made from the active games. Each active game is represented on screen by a game icon. Start the game by touching its icon. Each game starts with the game name, followed by a short explanation. If you push the button while playing a game, the game menu will appear for a few seconds and another game can be chosen.

After a minute of not playing, the Memo will turn into 'idle-mode' (standby). When the Memo senses someone touching a display, it responds to it by making a noise and/or displaying some cool effects.

Below an overview of the current game set.

### Games overview



#### Dizzy

Choose a team colour: red or green. Turn around a post, touching it, to conquer it for your team. The longer you turn, the more the post will take on your team's colour. Red turns one way, green the other. If the post is totally coloured in one colour, it can not be conquered back. The team that conquers most of the posts within time wins.



#### Matty

Solve math equations together with your friends. On each basic post a math equation appears. Choose the right answer on each post. After you finished all equations, check your score by touching the middle post. It will tell you how many equations are right. If you have all equations right, the game will go to the next level. Try to reach a high level by working together!





#### Switch

Team 'yellow' plays against team 'blue'. By touching a post, it changes colour. Try to conquer as many post in your colour. The team who has conquered the most posts in their colour wins. Or win instantly by being the first to conquer 6 poles!



#### Tag

Before starting the game, each player chooses its own colour to play with. As soon as the game starts each player will have to touch the post that has 'his' colour as soon as possible. Beware: Time will get less with each round! Who can touch the most posts?



#### Memory

Find the same symbols. You can play this game with multiple players. Everyone tries to conquer the symbols in its own color. Remember where all the symbols are hidden, use your brain to win!



#### Runner

Two players race against each other. Hit the next post as fast as possible., but watch out the colors can switch from the inside to the outside. The first player who runs two rounds around the posts wins!



#### ABC

Hit the letters as fast as possible in the order of the alpaabet. When all letters are hit correctly the runtime will show up. The player with the fastest runtime wins!

## 5. Sound

### Controlling the sound

Each Memo post has a speaker emitting sound. The speaker is aimed at the player nearby. The total sound volume and on/off times scan be controlled on <http://my.yalp.nl> (chapter 3) . This way, the sound can always be controlled to meet the sound regulations on location.

## 6. Language

### Multiple language versions

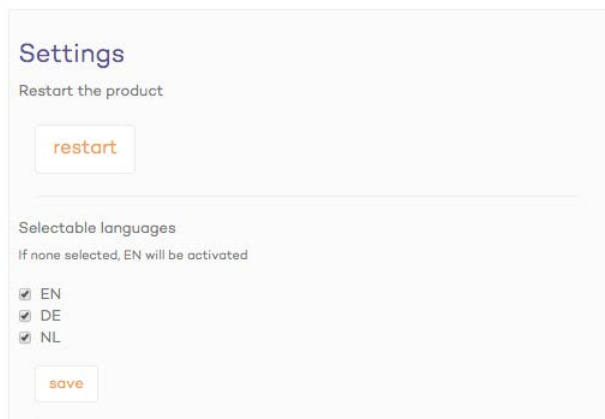
If your Memo has multiple language versions available then the preferred default language can be selected on <http://my.yalp.nl> (chapter 3).

You can make more then one language active at the same time, by selecting multiple boxes at 'settings'. If you select no languages, the Memo will use the default language.

### Switch language with button

If your Memo is equipped with multiple language versions, and more then one language is active, these can also be switched using the button on the Memo. Press the button longer then 3 seconds and the Memo will switch to another language.

If no languages are selected, the Memo will switch to idle ('standby') mode when it is pressed longer then 5 seconds.



Screenshot from <http://my.yalp.nl>

## 7. Sustainable design

Memo is a sustainable design. That works two ways: all materials and products are tested heavily and are designed to be longlasting in the outdoor public space.

Next to that Memo is designed using the guidelines of corporate social responsibility. A few examples are mentioned to give an insight in this way of designing.

### Quality

Yalp, as a developer, stands for quality. We are aware of the impact of a product in the outdoor space that is exposed to intensive use, vandalism and various weather circumstances. Ways we took quality to the next level in the Memo design are:

- High quality material. Memo uses premium materials like galvanized construction steel and stainless steel, protected by a powdercoat finish. The display uses high impact resistant polycarbonate with a special anti-scratch and UV protective coating.
- Tests. The Memo is intensively tested on weather and vandalism influences. By doing these tests the designers have implemented many improvements during the design phase like protection against humidity in the screen, visibility of the LED display, and resistance of the posts against heavy blows and fireworks.
- Prototypes. Using prototypes in user testing resulted in improving and fine tuning different game designs to be very easy to play with a lot of fun.
- Certification. Memo is designed in accordance with the European EN1176 safety regulations on playground devices.
- Quality certificate: ISO9001. Yalp has a ISO9001 certificate. This guarantees all quality processes at Yalp are properly safeguarded.
- Knowledge. The designers at Yalp are academically schooled Industrial Design Engineers and have a lot of experience in developing succesful interactive play concepts for the public space.
- Passion. Last but not least. Our designers are very passionate about designing playground devices and are very demanding when it comes to quality in the designs.

### Social responsibility:

Yalp is quite unique in achieving a 4 star rating on social responsibility in the Netherlands. In the Memo design social responsibilities means:

- Choosing suppliers: For example the steel in Memo is protected by a powdercoat finish, choosing a supplier that is committed to a coating process with regard to the environment, using limited resources and reducing waste. We demand this type of commitment from all of our suppliers.
- Locally: Memo is a Dutch product, using mainly local suppliers within a 50 km range of Yalp. This way, transportation impact is reduced.
- Recycle: Use of recycable and recycled material like PE for the caps.
- Re-usability: Parts of Memo are easy to dismount for repair and refurbishing. Or if a part is broken: it can easily be recycled. Loose parts can be replaced by new ones if necessary, there is no need to replace or disband the whole product.
- Standardization: The product design takes into account standardization on dimensions, parts and materials. This way, waste is reduced to a minimum and no extra life cycles are started.
- Environment: Yalp is ISO14001 certified, which means an externally controlled environment management system makes sure impact to environment stays as low as possible as a natural way of working.

## 8. Maintenance

To maintain Memo in optimal shape, we advice to clean all posts regularly (at least twice a year) with a soft humid cloth with mild detergent.

## 9. Warranty

We give warranty on the Memo. The warranty terms are determined for the different parts:

- 3 years expiring warranty on all electronics and interactive panels (first year 100% warranty, second year 2/3rd, 3rd year 1/3rd warranty of part price)
- 10 year warranty on the steel construction

Ask for our warranty terms for more detailed warranty information.

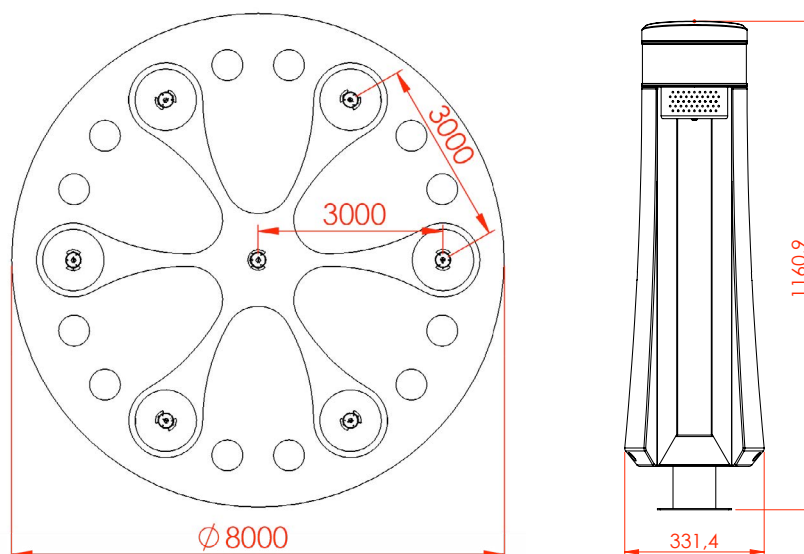


# 10. Technical information

## General information

Weight master post	± 25kg (±55,1 lbs)
Weight basic post	± 20kg (±44,1 lbs)
Dimensions Memo	Ø 8,0 x 1,1 m (D x H) (26,25 x 3,6 ft)
Safety zone of Memo	Ø 9,7 m (31,82 ft)
Dimensions of one post (master or basic)	0,33 x 0,33 x 1,15 m (L x W x H) (1,1 x 1,1 x 3,8 ft)
Transport	
Dimensions transport pallet Memo posts	1,20 x 0,8 x 1,30 m (L x W x H) (3,9 x 2,6 x 4,3 ft)
Weight transport pallet Memo posts	200 kg (±440,9 lbs)
Dimensions transport pallet etc.	1,25 x 1,05 x 2,40 m (L x W x H) (4,1 x 3,4 x 7,9 ft)
Weight transport pallet etc.	400 kg (±881,8 lbs)
Electronics	
Input	230V mains power
Output	12V DC
Energy use	
In use (max)	± 250 W
In idle modus (standby)	± 50 W
Off (sleep)	± 10 W
Internet connection	3G modem with data sim card (Minimum 250 MB/month)
Tested temperature of electronics* (*please keep power on at all times for the integrated active climate control to work)	-35 to +70 °C (-31 to +158 °F). NB. Some electronics may switch off earlier within this range automatically to prevent damage. Ask us for extra temperature precautions outside this temperature range.
Available colors	RAL3020 (Traffic red), RAL5002 (Ultramarine blue), RAL5015 (Sky blue), RAL 5017 (Traffic blue), RAL6026 (Opal green), RAL9005 (Jet black) Other colors on request

## Dimensions



# 11. Versions



**Version/Date:**      **Adjustments**

v1.2/16-12-2015	-Added my.yalp.nl -Added 2 games (Runner, ABC)
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