

# ***UNITY MINI***

## PRE-INSTALLATION REQUIREMENTS

REV. 1.2 - (MAY 2017)

## GUIDE TO PREPARATION OF THE EQUIPMENT INSTALLATION SITE



The Wellness Company



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The Wellness Company

The information in this manual is intended for **QUALIFIED TECHNICAL PERSONNEL**, who have been specifically trained by Technogym S.p.A. and are qualified to carry out fine-tuning and startup of the equipment, as well as major maintenance work and repairs, requiring in-depth understanding of the equipment, how it works, its safety devices and maintenance procedures.

**READ ALL THE INFORMATION IN THIS DOCUMENT VERY CAREFULLY BEFORE  
CARRYING OUT ANY SERVICE WORK ON THE EQUIPMENT.**



**NOTE:** The information contained in this document may be changed without prior notification.

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# 1. GENERAL WARNINGS

## 1.1 INTRODUCTION

This document has been prepared specifically for Technogym After Sales Service with the aim of providing authorised personnel with the information for carrying out maintenance and repair operations in the correct manner.

A thorough understanding of the technical data contained herein is absolutely fundamental in order for the operator to achieve the highest level in professional training.

**This manual includes informative notes with specific meanings:**



**ATTENTION:** regulation which may lead to injury if not complied with.

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**CAUTION:** *regulation which may cause damage to the equipment if not complied with.*

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**WARNING:** Information regarding the operation in progress.

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*Detail regarding the operation in progress.*

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## 1.2 USEFUL ADVICE

Technogym advises you to plan your technical assistance task in the following way:

Carefully assess the impressions reported by the Customer regarding the equipment's operating faults and ask questions suitable to clarify the signs of the defect.

Be clear in your diagnosis of the reasons for the fault. You can pick up the basic theory from this manual, but this needs to be bolstered by your own personal experience and by taking part in the training courses organised periodically by Technogym.

Plan the repair work in a rational manner so as to avoid wasting any time, e.g. collecting spare-parts, preparing tools and equipment etc.

Gain access to the part that needs to be repaired and limit yourself to the essential operations.

## 1.3 GENERAL REGULATIONS REGARDING SERVICE WORK

1. Verify the serial number of the equipment comparing it with the work order.
2. Always mark components or positions which might easily be confused with each other during re-assembly.
3. Use original Technogym spare parts and recommended brand lubricants.
4. Use special tools when specified to do so.
5. Consult the Technical Newsletter and News Flash as they might contain more up-to-date details on regulation and servicing procedures compared to those in this manual.
6. Before undertaking any work, check that the recommended tools are available and that they are in good condition.



**ATTENTION: the technician must delimit the work area and must work safely.**

### 1.3.1 PERSONAL PROTECTIVE EQUIPMENT

For more details, see the Health&Safety After Sales Procedure, stored on TG Direct.



## 2. UNITY MINI DISPLAY

The SELECTION PRO / SELECTION PRO MED and ARTIS STRENGTH may be fitted with the display UNITY MINI.

### 2.1 UNITY MINI



*Figure 1*

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## 3. NETWORK REQUIREMENTS

### 3.1 WI-FI NETWORK

The Wi-Fi network must be installed and configured by the client before Technogym delivers the product, in accordance with the technical specifications set out below.

#### Wireless

- \_ Access Point or Router or ADSL Gateway
- \_ Standard: IEEE 802. 11 a/b/g/n
- \_ Frequency Band: 2.4GHz, 5GHz
- \_ Security Protocol: WEP, WPA/WPA2, open (free) network
- \_ DHCP enabled

For clubs where there is overcrowding in the DHCP / Access Point, we recommend to set LEASE TIME at least three days, to avoid problems in the event of closure Sat. + Sun.

### 3.2 WIRELESS GUIDELINES

These indications must be interpreted only as guidelines.

The wireless network must be installed and configured only by specialised companies and expert technicians.

- The equipment must not be more than 25-30 metres LOS (line of sight) away from the access point (and there must be no walls or other obstacles between the access point and the equipment).

- Configure the access points in order to avoid any kind of overlapping problems.

#### 3.2.1 MAXIMUM NUMBER OF EQUIPMENT CONNECTED TO ONE ACCESS POINT



*For more details, refer to the technical specifications for the Access Points (AP).*

1. Up to 5 devices: use a commercial access point.
2. More than 5 devices: use a professional Access Point (see the technical datasheet).

### 3.3 PROXY

#### PROXY NOT MANAGED

### 3.4 FIREWALL ROUTER RULES FOR MYWELLNESS CLOUD

The locally installed firewall \ router must be configured with ports 80 and 443 open (UDP and TCP traffic).

Inform the IT manager of the client that the following web sites must be reachable:

- <https://servicesbeta.mywellness.com>
- <https://services.mywellness.com>
- <https://eam.mywellness.com>
- <https://6560a8ab83e11d31e5b8-a6a2f3b6d8cd41e62196a5824547b1d8.ssl.cf3.rackcdn.com>
- <https://certs.godaddy.com>
- <https://www.thawte.com>

Moreover, the URL with key words “mywellness” or “technogym” must be reachable.

It shall be possible to download tar.gz packets.

### 3.5 NETWORK BANDWIDTH REQUIREMENTS

The below table illustrates the minimum infrastructure requirements, based on the number of equipment with UNITY MINI.

NETWORK CONFIGURATION													
MAX EQUIPMENT UNITS		5		10		20		40		60		100	
MINIMUM REQ.	Local Network	WiFi[1]		WiFi[1]		WiFi[1]		WiFi[1]		WiFi[1]		WiFi[1]	
	Bandwidth requirements	Download	Upload	Download	Upload	Download	Upload	Download	Upload	Download	Upload	Download	Upload
		> 2 Mbps	>512Kbps	>5 Mbps	>512Kbps	>7Mbps	>1Mbps	>7Mbps	>1Mbps	>12Mbps	>2Mbps	>16Mbps	>2Mbps
	Local Server	Not necessary [2]		Not necessary [2]		Not necessary [2]		Not necessary [2]		Not necessary [2]		Not necessary [2]	

Table 1



**ADDITIONAL NOTES:**

[1] Wi-fi IEEE802.11 a/b/g/n 2.4GHz, 5GHz.

[2] The integration of caching server optimizes performance of network and reduces the bandwidth requirements for the club;

### 3.6 NETWORK DESIGN AND INSTALLATION

During the network design and preparation phases, Technogym requests to be put in touch with the technicians of the company performing the work, in order to obtain and provide technical information, so that the network is installed and configured according to the required technical.

### 3.7 CONFIGURATION AND INSTALLATION

The authorised Technogym technician will be able to perform the installation and related final testing of the equipment after receiving confirmation from the customer that all the required components have been provided and installed and that they operate correctly.

For this purpose, Technogym will send a check list form to the customer a few days before the date set for installation, and will ask the customer to compile the form and send to the Technical Service department.

This check list form will allow Technogym to acquire the information related to the installation status of the network for the equipment and thus check that everything that has been requested to perform installation of the equipment is provided and operational.



**ATTENTION: Installation and configuration of the network infrastructure (cables), of the network hardware (Switch, Router, firewall) and any Wireless network are at the expense of the customer.**



**ATTENTION: TECHNOGYM warns that the efficiency and correct operation of the equipment and of the Mywellness Cloud services depend on the technical characteristics of the hardware that is installed.**



**ATTENTION: TECHNOGYM does not guarantee the correct operation of the Mywellness Cloud services in the event of failure to comply with all the technical specifications and warnings indicated.**

## 4. ACKNOWLEDGEMENT AND ACCEPTANCE

Date: \_\_\_\_\_

Acknowledged and accepted: \_\_\_\_\_

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## 5. MANUAL REVISION MODIFICATIONS SUMMARY

You can find here below the list of the main modifications in chronological order.

### 5.1 REVISION 1.0

The present document has been extrapolated from the UNITY MINI Installation Manual rev. 1.0. The technical content has not been modified.

The following paragraphs have been inserted:

- *Introduction;*
- *General Warnings(CAP. 1);*
- *UNITY MINI Display (CAP.2);*
- *Acknowledgement and Acceptance (CAP.4);*
- *Manual revision modifications summary (CAP.5).*

### 5.2 REVISION 1.1

Modified § 3.2 FIREWALL ROUTER RULES FOR MYWELLNESS CLOUD: Inserted the indication of the ports to be opened.

### 5.3 REVISION 1.2

New paragraph §3.2.1 MAXIMUM NUMBER OF EQUIPMENT CONNECTED TO ONE ACCESS POINT: detailed the type of AP for number of equipment.

Modified paragraph §3.4 FIREWALL ROUTER RULES FOR MYWELLNESS CLOUD: inserted two new requirements to be implemented.

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