



WIRELESS HOURMETER SYSTEM

Overview & User Guide



Toro myTurf® Wireless System

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MYTURF WIRELESS OVERVIEW

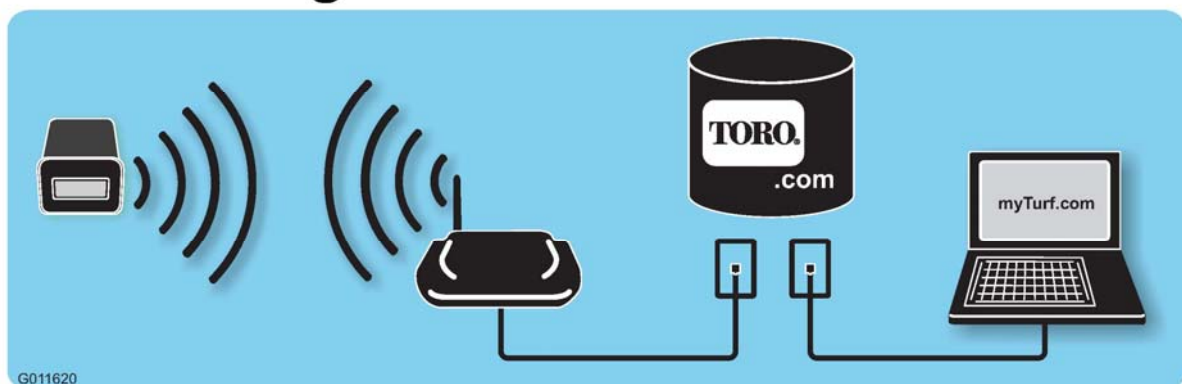
A Good fleet management system should remove any unnecessary data entry and automate as many manual task as possible. The myTurf wireless system automatically communicates with machines outfitted with wireless hour meters and transmits the machine hours to the myTurf program. The system then uses this information to automatically alert you when service is due on a particular unit. The wireless hour meters can be retrofit into almost any equipment (even non-Toro) with a 12VDC system (ignition circuit or otherwise).

In this guide you will learn how to setup the wireless system and assign a base station to your myTurf program and assign wireless hour meters to specific equipment within your fleet.

Communications Equipment Overview

- Base station has an RJ-45 Connection - It requires DHCP (automatic IP assignment) and ability to access the Internet
- Wireless Hour Meter (connected to the equipment) to Base Station is about 250' Line-of-sight Range
- WHM Radio devices operate at 2.4GHz frequency, IEEE 802.15.4. The system has been thoroughly tested and complies with all regulatory requirements to prevent interference with Wi-Fi (802.11) networks

Overview Diagram



Before you can add a base station to you account you will need to have it installed and a confirmed connection to the internet. Be sure to place the base station so it has a “line of sight” to you equipment. A base station can not see through walls. It will need to be placed in a window and out of the elements.

INTERNET CONNECTION OVERVIEW

This document is intended to provide a technical overview of the myTurf BaseStation and to clarify any issues or concerns for your IT department or resources. If further clarification is required please contact Toro NSN® at 1-800-ASK-TORO.

The myTurf BaseStation is an internet device comprised of a proprietary RF receiver/transmitter and a Serial to Ethernet device. The myTurf BaseStation is essentially an RF to Ethernet gateway looking for Toro's myTurf server at a fixed IP address.

General device requirements:

- Available Ethernet Port with internet access
- A DHCP server to assign a local IP address
- Basic outbound Internet access through one of the following ports:
 - 2001; 8080; 80

Please Note: If your network environment cannot do DHCP and use of an additional router is not an option, contact Toro for potential cellular connection options.

General Description of BaseStation functionality:

A TCP/IP connection is established by the myTurf BaseStation to Toro's myTurf Server (inside firewall device connecting to the outside world). The BaseStation will always try to connect on one of the three ports above in the order shown and will use a random inbound port in the 50000 range.

Data transferred to the myTurf server is via proprietary binary protocol over one of the previously mentioned ports. It is not utilizing HTTP traffic over port 80 or 8080. If you have a firewall doing application level inspection you may need to accommodate this in your firewall policies.

The BaseStation communications has been deliberately limited to a few messages for sending machine hours to the myTurf server and some device management utilities. Commands or functions outside the strict command set are ignored by the BaseStation since it does not possess the capability to perform anything but proprietary myTurf functions.

Toro's myTurf server will disconnect from a BaseStation if a non-conforming command is received. The BaseStation will identify the loss of connection and attempt to reestablish its connection to the myTurf server.

FREQUENTLY ASKED QUESTIONS

What if we don't have an available Ethernet port?

A hub or switch can be used to add ports.

What if we are not running a DHCP service on our network?

A DHCP enabled Router can be added between your network and myTurf BaseStation that can assign the BaseStation a local IP address. The Router will only assign IP addressed to devices connected to its local ports and it would need to be configured to work with your network.

What if we only allow certain MAC addresses to connect to our network?

The myTurf BaseStation's MAC address can be added to your network's allowed device list. In the rare occasions where it may be necessary, the MAC address may be found inside the BaseStation (this requires the removal of four screws to open the plastic case to see the label inside).

Can the BaseStation be connected outside our network to the Internet?

Yes, a shared or dedicated internet connection could be used with the BaseStation. For example, you could use a separate router between your Internet connection (modem) to serve both your primary network firewall and the myTurf BaseStation essentially placing the BaseStation outside your local network. Again, please ensure DHCP is enabled on the network that the myTurf BaseStation is connected to.

Is the myTurf Radio compatible with WiFi or 802.11 protocol?

No. The RF communication is based on IEEE 802.15.4 and physically not capable of communicating with WiFi/802.11. Additionally, the data transmission is a proprietary binary protocol that is incompatible with WiFi devices.

Is the myTurf BaseStation and other myTurf components safe for use on my network?

Toro takes Network security very seriously and has designed the myTurf system and hardware with the customer's network security as a top concern. Our engineering team used industry-accepted connection methods to the myTurf server with exhaustive testing within our own networks to ensure a reliable and secure system.

HARDWARE SETUP

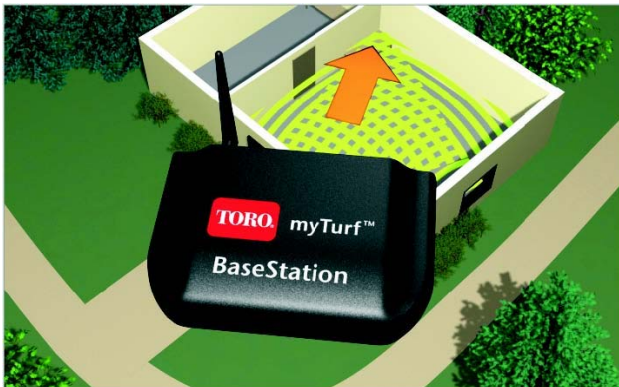
WHERE TO PLACE THE MYTURF BASESTATION

Choosing a suitable location for the BaseStation has the largest impact on wireless connectivity. A good location can be determined by examining your operating area and equipment movement patterns. Find a place that meets these requirements:

- The location should be in line of sight and within 250 feet (76m) of an area heavily trafficked by machines.
- Line of sight can be through an opening such as a door or window.
- The location must be indoors and away from direct exposure to the elements.
- The area should be clear of materials and items that would weaken the transmission of radio waves i.e.;
- concrete walls, microwaves, cordless phones. These items can block, absorb or disrupt radio waves.
- The location needs to have a high speed internet connection.
- For system startup, make sure the equipment with the new wireless hourmeter installed is within 30 feet of the BaseStation.

Consult the below figures for BaseStation placement examples

Note: In applications where the BaseStation cannot pick up the signal, a Repeater may be deployed using the same principles described here.



Note: In applications where the BaseStation cannot pick up the signal, a Repeater may be deployed using the same principles described here (see page 11).



MYTURF TRANSMISSION PROPERTIES

- Wireless Hour Meters (WHM) transmit on equipment start and then once every 15 seconds thereafter
- Max (clear line of sight) from a WHM to a Repeater or a Base Station is 250' (76M). This will be decreased by buildings, walls, vegetation, and location in the equipment versus the receiving antenna (the system uses 2.4 GHz, which does not penetrate, or "bounce"/reflect very well).
- Max (clear line of sight) from a Repeater to another Repeater or to a Base Station is 500' (152M).
- The antennas in the system (stock antennas on base and repeaters and auxiliary antennas) are Omni-Directional. Please see following notes as this may affect where they should be mounted (how high) to be most effective.

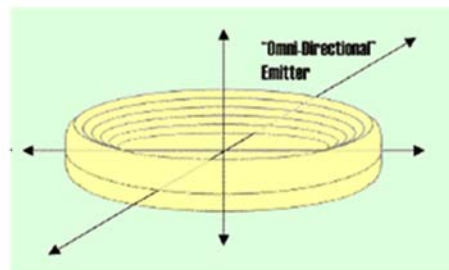
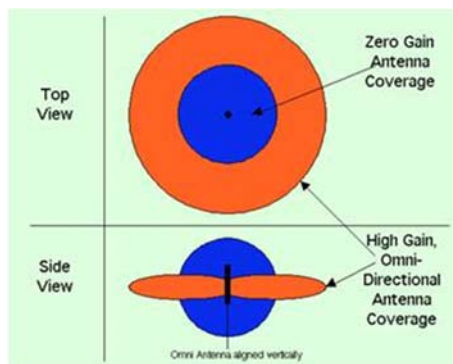
ANTENNA PROPERTIES

An omni-directional antenna transmits/receives equally in 360 degrees. However, its transmit/receive profile is in the form of a plane. So, when the antenna is vertical, it transmits/receives well horizontally, but not vertically.

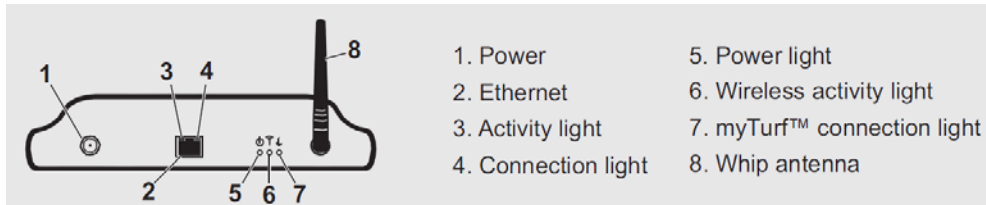
- Because of this, these antennas are better for things transmitting on the same vertical plane as they are, or farther away. If something is too close and the antenna is high, it might actually "miss" the signal.

So, when you look at mounting the auxiliary antennas for the Base Station and repeater – Ideally, they are both at the same height and lower is better (6-8' is fine). If they are mounted too high, you might have troubles with close equipment.

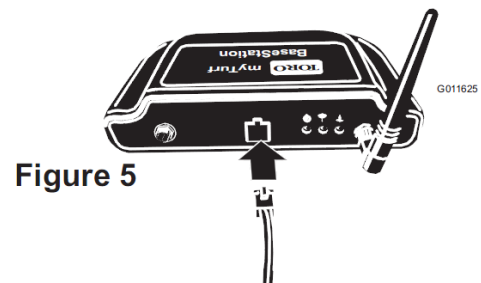
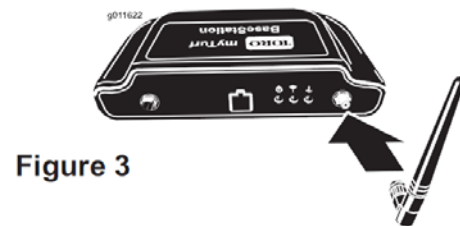
Also keep aspect in consideration as an antenna mounted horizontally (not vertically) is great for catching things driving in /out of a single door directly under it.



SETTING UP THE MYTURF BASESTATION



1. Locate the BaseStation in loose parts and the whip antenna. Install the whip antenna to the BaseStation and point it vertically; regardless of how you orientated the BaseStation (Figure 3).
2. Find the device ID label on the bottom of the BaseStation. Record the device ID from the label in the space provided on this document. This information will be needed for registration at myTurf.com (Figure 4).
3. Locate the ethernet cable in loose parts. Connect one end of the ethernet cable to the BaseStation and the other to a dedicated internet connection (Figure 5).



Important: Do not plug the BaseStation into a PC. A dedicated internet connection is required and can be:

- A standalone connection in the wall that is live to the internet with a category 5 socket.
- A separate “Line In” on a router or switch that is connected to the internet.

Note: If there is only one internet connection, you might need a router or a switch to allow multiple devices to connect to the internet. Please consult your internet service provider for more information.

4. Locate the power adapter in loose parts. Remove the protective insert and install the plug appropriate for your region (Figure 6). Plug the power adapter into a power strip or surge protector, or wall outlet. Toro recommends using a surge protector.

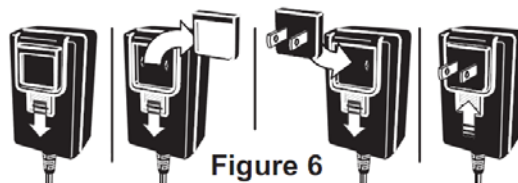


Figure 6

POWERING UP THE MYTURF BASESTATION

A couple of things will happen when the base station is powered and connected to the Internet:

- The BaseStation is going to power on.
- The BaseStation is going to validate the internet connection.
- Then, if connected to the internet, the BaseStation is going to contact the myTurf servers and establish a connection.

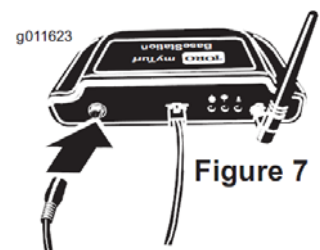


Figure 7

Note: This process can take the BaseStation a few minutes to complete.

1. Plug the adapter's power cord into the base station (Figure 6). The BaseStation is going to power on and the Power LED will light (Figure 8).
2. Next, the BaseStation is going to test the internet connection. The connection LED will flicker and then flash steadily (Figure 9).
3. Then, if connected to the internet, the BaseStation is going to contact the myTurf servers and establish a connection. The connection LED will flicker and then flash during the attempt. A connection is established when the connection LED stays lit (Figure 10).

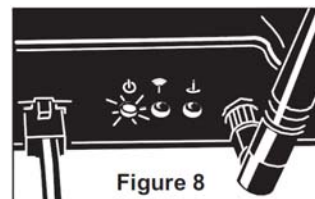


Figure 8

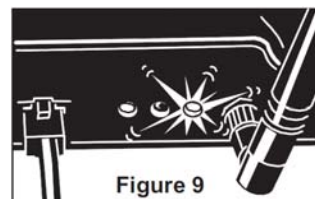


Figure 9

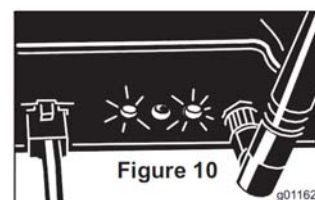


Figure 10

Below is what the back of a base station will look like when an internet connection is established. You must have a "solid" (not flashing) green internet connection light.



Internet connection light

USE OF REPEATERS OR AUXILIARY ANTENNA

If your Ethernet Connection capability requires your base station to be located in an area where you will not get good signal from wireless hour meters (>250' (76m) away or inside a building where communications will be obstructed) there are two options for extending communications range:

1. **myTurf Repeaters** (Part No. 115-9543: Repeaters extend the range of wireless communications from the Base Station by up to 500' (152m) per repeater (line of sight) . Communications range from Wireless Hour Meter to last Repeater is still 250' (76m) as limited by the Wireless Hour Meter signal. Repeater require a Wall Outlet power connection similar to the Base Station and will be automatically detected by the Base Station and added to the myTurf System.

Repeaters work in a mesh network communications profile where any Wireless Hour Meter signal received will be boosted and retransmitted. So, Repeaters can be placed in multiple locations as needed to receive signals from all equipment-mounted Wireless Hour Meters.

NOTE: Toro recommends the use of no more than 5 Repeaters with a single Base Station.



2. **myTurf Auxiliary Antenna** (Part No. 115-9524 — U.S. Only. Options sourced locally outside of the U.S.): In locations where the myTurf Base Station is located inside a building or in a location where communications is obstructed, an auxiliary antenna may be purchased and connected to the base station. By running the antenna cable to an external location and mounting the antenna, clear reception of WHM signals can be attained. 20 feet (6,1m) of antenna cable is included with the antenna.

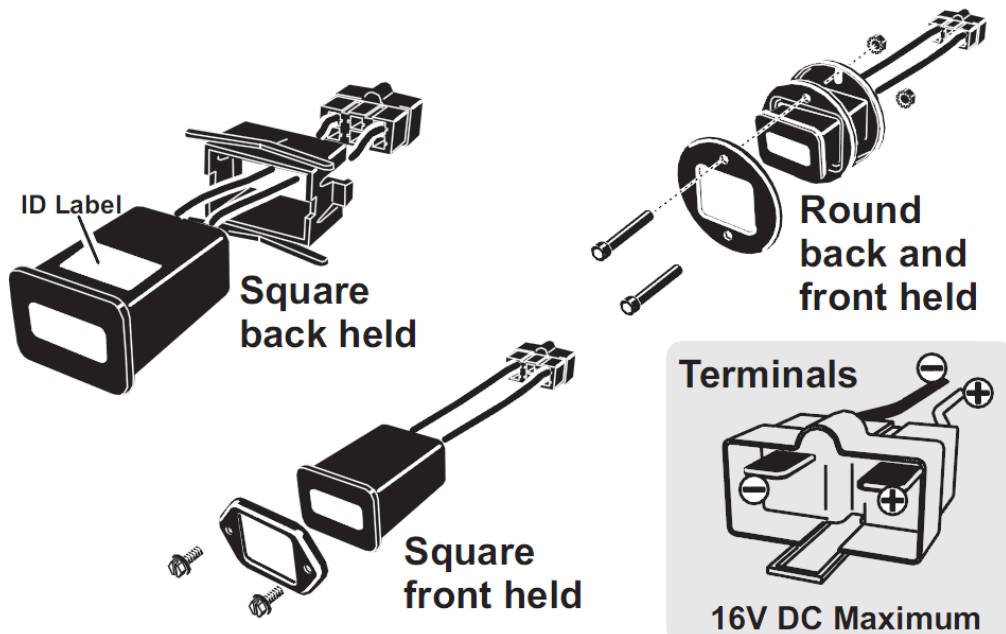
INSTALLING A WIRELESS HOURMETER

Important: 16 VDC Maximum

You can install a wireless hourmeter in place of an existing hourmeter on each machine in the fleet or on any piece of equipment with a 12 VDC Ignition Circuit.. Hourmeters are installed with varying styles of mounts and bezels. Take care when removing the existing hourmeter to retain all fasteners and bezels.

In most cases hourmeters are installed on dashboards for ease of reading but some machines have them installed elsewhere. If you are having trouble finding the hourmeter, consult the Operator's Manual or log on to www.Toro.com for help locating it on Toro equipment.

1. Locate the new Wireless HourMeter and find the label with the WHM device ID.
2. Record the Wireless HourMeter device ID from the label and machine model and serial number in the Device Table provided in this Guide or the document that came with the Base Station. This information will be needed for registration at myTurf.
3. Record the hours listed on the existing hourmeter in the space provided.
4. Remove the existing hourmeter from its mounting frame and disconnect it from the wiring harness.
5. Install the new wireless hourmeter into the same spot. There are a couple configurations, so choose the one that best fits your application:



WIRELESS HOURMETER SPECIAL HARNESSES

For some Toro Products, there is not a standard wireless hourmeter connection. For these units, special harnesses need to be added to enable compatibility. The following table outlines harness kits available for purchase:

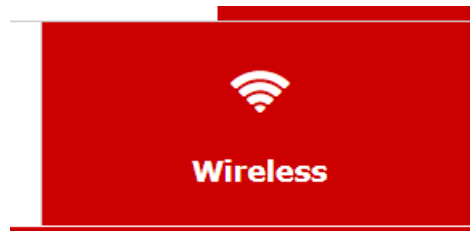
Model / Number	Description	Equipment Models
4295	LED Light and WHM Harness Kit	LED Light and Wireless Hour Meter Harness Kit, 2012 and After Greensmaster® 800, 1000, 1010, 1600, 1610, or Flex™ Greensmaster® 1800, 1820, 2100, or 2120 Series Mower
120-9690	Wireless Hour Meter Kit	Greensmasters with Subaru Engines (e.g. Model 04055)
138-2147	Wireless Hour Meter Kit	Greensmasters 1000 with Honda Engines (e.g. Model 04810)
139-4369	Wireless Hour Meter Kit (includes WHM)	Greensmaster 1018/1021/1026
44922	Wireless Hour Meter Kit (includes WHM)	2013-2016 Greenspro 1200 (44912)
44927	Wireless Hour Meter Kit (includes WHM)	GreensPro 1240 and 1260 - Serial Number 315000001 and Later
136-6323	Wireless Hour Meter Kit	GTX
136-6324	Wireless Hour Meter Kit	GTX Electric - Serial 403448000 and Before
139-4627	Wireless Hour Meter Kit	GTX Electric (Lithium) - Serial 403448001 and Later
138-5698	Wireless Hour Meter Kit	MDX
138-5655	Wireless Hour Meter Kit	HDX
115-2833	Wireless Hour Meter Kit (includes WHM)	ProCore 648 Aerator

DEVICE TABLE

[illegible]

myTurf Wireless Page Overview

The following sections will show you how to set up and use Wireless Hour Meters with myTurf. As you follow the instructions, it is important to understand the layout and indications in the myTurf Wireless Page.



There are 2 main areas you will be using within the page, they are:

Base Stations / Repeaters	List of any repeaters or base stations assigned tot his location.
Wireless Hour Meters	Wireless Hour Meters that have been “detected” by the base station (powered up within range of the base station) or added manually. Selectable as either “Unassigned” (not assigned to Equipment), Assigned, or All (both)..

Wireless

Base Stations / Repeaters (2)
+ Add Base Station / Repeater

BaseStation / Repeater ID	Status	Type	Location	Last Update Received
4293918799		Base Station	Demo Location TCO	05/29/2019 16:06
4286578752		Repeater	Demo Location TCO	04/04/2019 09:11

Showing 1-2 of 2

«
«
1
»
»

Show
20

Wireless Hour Meters
All (10)
+ Add Wireless Hour Meter

Wireless Hour Meter ID	Active Or Inactive?	Assigned Or Unassigned?	Status	Source	Asset Type
290	Active	Assigned			Equipment
354	Active	Assigned			Equipment
6749	Active	Assigned			Equipment
29163	Active	Assigned			Equipment

Wireless Hour Meter Status

Unassigned	WHM has been detected by the Base Station or added manually but is not tied to a piece of Equipment within myTurf.
Assigned	WHM has been tied to a piece of Equipment within myTurf.
Inactive (Assigned WHMs Only)	Equipment Hours are not currently being updated in myTurf by the WHM. Operating hours can be input and saved manually.
Active (Assigned WHMS Only)	Equipment Operating Hours are being automatically logged by the WHM System.

Indicators/Icons on the Wireless Page

There are two icons used in regards to Wireless Hour Meters/Base Station on the myTurf Wireless Page:

	Indicates Update Error	Typically, this icon will show when a Wireless Hour Meter has exceed its set “Maximum Duration Between Updates”. This may happen with equipment that is rarely powered up in range of the Base Station and may indicate a need to ensure that occurs more regularly or indicate a need to change the Max Duration between Updates. In rare cases, it could also indicate a failure of the WHM.
	Firmware Version Needs Updated	This indicates that a newer version of firmware is available for a Base Station, Repeater, or Wireless Hour Meter than what the unit currently has.

Please See the section at the end of this guide describing how to perform Firmware Updates.

WIRELESS SETUP WITHIN MYTURF

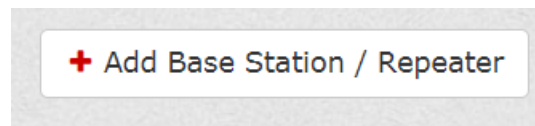
ADDING A BASE STATION

Once your basestation is connected, log into myTurf.toro.com. Enter your username and password to access your account. Select the myTurf Wireless tab to complete the setup process.

- Navigate to the myTurf Wireless page using the tab at the top of the page.



- Click on the “ADD BASE STATION / REPEATER” button.



A modal opens up enabling you to enter your base station or repeater ID number and assign it to a specific location if you have more than one.

Create New Base Station / Repeater

×

Type *

Base Station ▼

Id *

i

The ID of your device can be found on the back panel.

Location *

Demo Location 1 ▼

Create

Cancel

Enter the base station or repeater ID number (found on the bottom of the unit) and then select the appropriate type of unit you are adding.

- Click the “Create” button and then close the window.

BaseStation / Repeater ID	Status	Type	Location	Last Update Received
4293918799		Base Station	Demo Location TCO	2/8/2018 11:27 PM

At any time you can test your base station to confirm it's communication with the internet. Follow the steps below to do this.

- Click on the base station ID number from the myTurf Wireless page.
- Click on the “SEND TEST SIGNAL” button.

Base Stations / Repeaters (1)					+ Add Base Station / Repeater
BaseStation / Repeater ID	Status	Type	Location	Last Update Received	
4293918799		Base Station	Demo Location TCO	2/8/2018 11:27 PM	
Showing 1-1 of 1					1 Show 20

Test Connection



The system will perform a communication test with the device and report back a successful or unsuccessful test.

ADDING AND ASSIGNING A WIRELESS HOURMETER

Adding a wireless hour meter is similar to the base station install but with the hour meters you will need to assign them to a specific piece of equipment. Once the myTurf system knows what hour meter is installed on which piece of equipment then the meter reading updates are in automation mode. Once you assign a wireless hour meter to a piece of equipment you will no longer be able to manually enter the equipment meter reading in the myTurf program.

If you have WHM's that have been automatically detected or manually entered, but not assigned, they will be listed as "Unassigned."

Wireless Hour Meters All (10)		
Wireless Hour Meter ID	Active Or Inactive?	Assigned Or Unassigned?
<u>290</u>	Active	Assigned
<u>6749</u>	Active	Assigned
<u>29163</u>		Unassigned
<u>29131</u>		Unassigned

- Click on the Wireless hour Meter I.D. of the WHM you want to assign to an Asset.

This will open up the Wireless Hour Meter Record where you will assign the WHM to a specific Asset.

For this Example we will assume that we want to assign WHM 29163. In the WHM Record:

- Select the Location of the Asset you are assigning to
- Select the Asset Type (usually Equipment)
- Select the Group
- Select the Asset I.D. of the target Asset
- Set the starting Meter Reading (this will be the update to both the Asset and the WHM LCD)
- Set the WHM to Active
- Set the duration (days) of non-communication before the system alerts you (Maximum duration between updates)

Note: At this point, the equipment must be in range of the base station and the unit must have the key turned on so the WHM is powered up.

- Click the Assign/Update Wireless Hour Meter Button

Wireless Hour Meter Record

Properties

Meter ID
29163

The ID of your device can be found on the back panel.

Meter Reading
290 Hours

Last Update Received
4/11/2017

Assignment

Location *
Demo Location TCO

Asset Type *
Equipment

Group *
Toro Sample Fleet

Asset Id
TSF01

Meter Reading
290

Activation Status

☒ Active
☐ Inactive

If you make a Wireless Hour Meter inactive, myTurf will no longer accept updates from the meter.

Maximum Duration Between Updates
4 days

After how many days would you like myTurf to tell you if a Wireless Hour Meter has not reported hours? The default value is 2 days. So if a Wireless Hour Meter has not reported in 2 days, myTurf will report an error.

Assign / Update Wireless Hour Meter Button

You should receive a success message when complete and WHM will now indicate “Assigned” on the WHM Page.

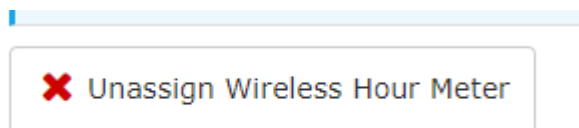
On the Asset List, the target Asset should show the icon for a WHM and the utilization reading no longer has an edit box around it - manual input of hours is no longer available.

5010-H #1		Toro	03674	424.0 hr	
P.Core 648		Toro	09200	15 hr	

MOVING A WIRELESS HOURMETER

The wireless hour meter is an investment, one that you will want to keep and move on to subsequent pieces of equipment. Therefore myTurf allows you to unassign a WHM and re-assign it to another piece of equipment. To do this you will need to unassign the WHM from the piece of equipment that you will be removing it from before it can be reassigned to a new piece of equipment.

In the WHM Record, you will see a button labeled “Unassign Wireless Hour Meter”. Click this button, first, to remove the hour meter from the old Asset. It is recommended the hour meter has been disconnected and removed.



myTurf will ask a reason for unassigning, please provide a reason and click “Apply”

Unassign Wireless Hour Meter

Please Provide a Reason

Your machine hours are not being recorded while a Wireless Hour Meter is unassigned. Please reinstall a wireless meter as soon as possible and update hours accordingly.

Apply

Cancel

Connect it to a new Asset and follow the steps to Assign it. Any old “hours on the WHM will be overwritten to the new value.

21

myTurf Tip: Multiple Base Stations—Multiple Locations

One myTurf account can have one or more locations and myTurf will allow each location to have one or more base stations.

A WHM's hours will update via any Base Station regardless of where the Base is registered. Both the Equipment Meter and Meter History (which users can see) will update no matter what base station it is in range of.

UPDATING FIRMWARE

In myTurf Pro—Wireless Firmware Updates are not currently available. Please be confident that your system will work even if it indicates a firmware update is needed.

In the event firmware needs updating, it is always recommended that Base Stations and Repeaters are updated first, followed by Wireless Hour Meters. Typically, firmware updates should be conducted when time is available. Toro will inform customers if there is ever a critical update requiring timely implementation. Generally, a firmware update takes 5-10 minutes to complete per element.

Base Stations / Repeaters—As these are always powered and connected, an update can be performed at any time. When you start an update, the system will download the new firmware and then install it. There is no power off or reset required.

Wireless Hour Meters—Wireless Hour meters need to be powered and within range of the Base Station or Repeater in order to perform a firmware update. Similar to the Base Station or Repeater, the firmware will be downloaded and then installed, so if something cancels or stops the update, the WHM will keep operating on current firmware. A base station Firmware update in late 2012 allows up to 5 WHMs to be updating simultaneously.

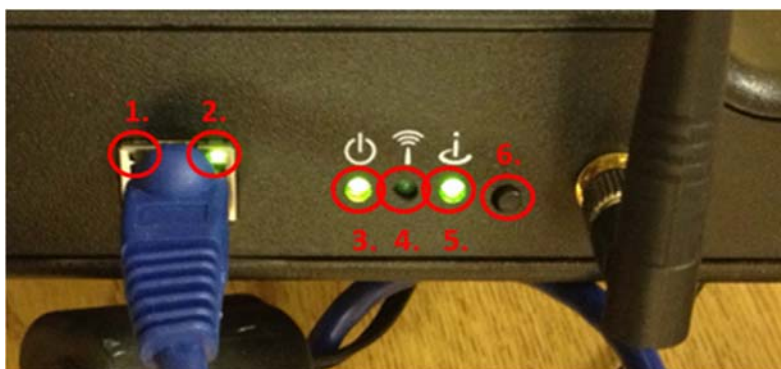
For any Update, click on the wireless ID number and a new portlet will pop-up. Within that portlet is a tab labeled “Update”.

When you are on the Update Tab, you will see a button indicating “Start Firmware Update”. Please ensure WHMs are powered and within range before clicking this button.

Once the Firmware Update is commenced a status bar will keep you informed of progress and a note of Firmware Update Successful! Will appear upon completion. Do not log out of myTurf until the Firmware Update is complete.

BASE STATION TROUBLESHOOTING

BASE STATION INDICATORS & TROUBLESHOOTING

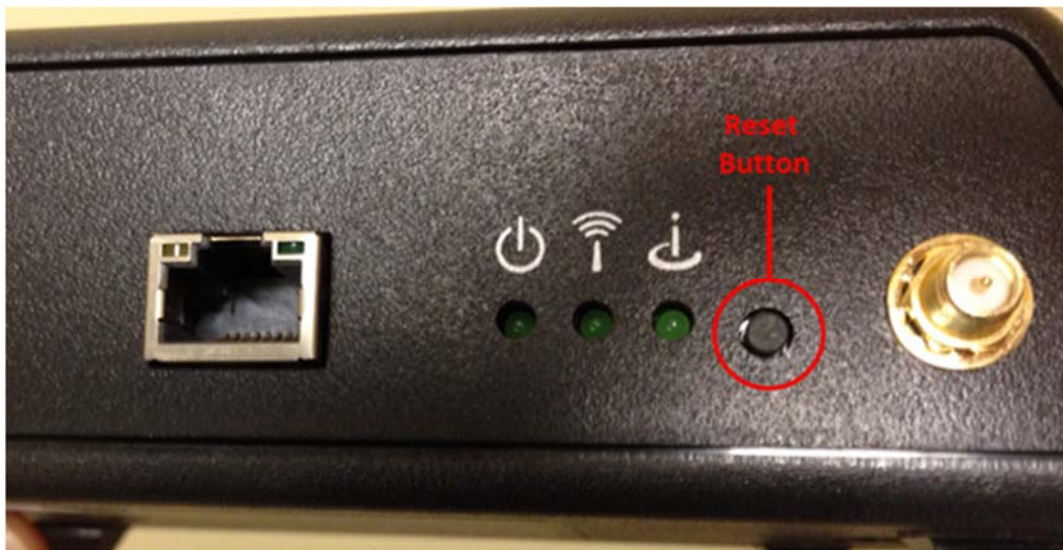


1. Packet Detect LED (Orange)
2. Link LED (Green)
3. Power LED
4. Wireless Activity LED
5. Internet/myTurf Connection LED
6. Reset Button

Indicator LED	"Normal"	What to do if "Abnormal"
1.) Packet Detect LED	Flash Orange (periodically)	If the Packet Detect (orange) LED is blinking and the Link (green) LED is off with the Ethernet connected, this is an indication the internal modem is "locked-up". Try Reset. If does not clear, call NSN.
2.) Link LED	Should be solid green with periodic flash off	OFF – No physical connection exists to the network. There may be a problem with either the network cable or the network itself: • Incompatible, or damaged cables or loose connection / unplugged cables • Loss of power to a network switch or router Check the other end of the cable. If it is plugged directly into a hub or switch, you should also see an LED indicator that there is a connection. If one or both ends does not have this indicator, try a different cable.
3.) Power LED	Solid Green	OFF – Check power
4.) Wireless Activity LED	Flash Green (periodically)	Never Flashes – Potential failed wireless module. Troubleshoot to extent possible and failing other indication of cause, customer should utilize warranty process to replace.
5.) Internet/myTurf Connection LED	Solid Green	OFF – No "Path to Internet" Exists (Firewall or network blocking Internet Connection)

BASE STATION RESET

The button on the back of the Base Station resets the Base to factory default. As part of basis troubleshooting, press and hold for about 5 seconds when powering up (unplug and re-plug power cord) until all two right LEDs blink quickly. You can try this without negative consequence.



WARRANTY INFORMATION

All myTurf Wireless Products are covered by the 2-Year Toro Standard Warranty. Contact your Distributor Representative in the event of failure.

If you suspect a failed Base Station, please contact Toro NSN to conduct basic troubleshooting prior to warranty replacement.

ELECTROMAGNETIC COMPATIBILITY

United States: This device complies with FCC rules Part 15. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference that may be received, including interference that may cause undesirable operation.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a FCC Class B computing device in accordance with the in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient the receiving antenna, relocate the remote control receiver with respect to the radio/TV antenna or plug the controller into a different outlet so that the controller and radio/TV are on different branch circuits. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from:

U.S. Government Printing Office
Washington, DC 20402.
Stock No. 004-000-00345-4.
FCC ID: OF7RTS24 IC: 3575A-RTS24

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Safety

If a user makes changes or modifications not expressly approved by the party responsible for compliance, they could void the user's authority to operate the equipment. Safety decals are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.

NOTES



Toro myTurf® Wireless System



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