

Lynx Smart Field Interface Product Summary Information

1. Brief Product Description / Information

- 1.1. The Lynx Smart Field Interface (LSFI) is a new LAN based golf irrigation field interface that combines the functionality of the legacy FIU and RIU products into one device. This product will also serve as the platform for new field hardware communication technologies moving forward.
- 1.2. The new LSFI is “phase II” as the OSMAC version was launched last year (LSFI-K / LSFI-KK)
- 1.3. The LSFI will serve as a replacement field interface for new courses, renovations and FIU/RIU replacements
- 1.4. Top 5 things different about LSFI vs FIU
 - 1.4.1. LSFI needs Lynx 8.3 / LSFI is not compatible with SitePro
 - 1.4.2. LSFI uses an ethernet (RJ45) cable vs a serial port connection
 - 1.4.3. LSFI has a touch screen Graphic User Interface (GUI)
 - 1.4.4. LSFI can be remotely located to save wire and improve radio performance
 - 1.4.5. LSFI can be remotely accessed using LSFI Toolbox application to perform diagnostics and configuration activities
- 1.5. Why are we moving away from FIU?
 - 1.5.1. The FIU product is very old and has components that have gone obsolete and are no longer available.
- 1.6. What is the market plan for the current FIU?
 - 1.6.1. After the launch of the LSFI, all new projects, renovations and upgrades should specify the LSFI (except for Lynx Drive Customers)
 - 1.6.2. New FIU’s will only be available for Lynx Drive customers – all others should use LSFI
 - 1.6.3. Once the LSFI is compatible with Lynx Drive – All new FIU products will be discontinued
 - 1.6.4. The FIU will continue to be supported by NSN

2. Below is a complete list of new SKU’s for the LSFI and their FIU equivalent.

Model Number	Description	FIU Equivalent
LSFI-S	LSFI, Standard Wire Line Interface	FIU-2010, FIU-2011
LSFI-SR	LSFI, Standard Wire Line Interface + Comm Radio	FIU-2011DR
LSFI-SS	LSFI, Two Standard Wire Line Interface	FIU-2020, FIU-2021

3. LSFI Compatibility Information

3.1. Software:

- 3.1.1. All platforms need Lynx 8.3 to be able to connect to the LSFI and communicate with field hardware
- 3.1.2. Connection is through RJ45 ethernet port on central computer
- 3.1.3. On older software platforms, it is recommended to upgrade to Lynx 8.2.25 first and then move to Lynx 8.3
- 3.1.4. LSFI is not compatible with Lynx Drive at this time – but will be in next few months
- 3.1.5. LSFI is NOT compatible with SitePro (SitePro Software is also being retired)

3.2. Central Computer – “Industrial Irrigation Controller”

- 3.2.1. All centrals need to be CPU-116 or newer

3.3. Hardware

- 3.3.1. See table below for compatible platforms

Hardware	Tested / Compatible	Notes
LSM	Yes	Using LSH
GDC	Yes	Using LSH
VP	Yes	
VPe	No	Not Supported in Lynx
Lynx Smart Hub - LSH	Yes	5 Digit Decoders
GAC	No	Not Supported in Lynx
GAC-R	No	Not Supported in Lynx
LAC	Yes	Using LSH
Lynx Smart Satellite - LSS	Yes	
Fusion LSM / LSS	Yes	
OSMAC	Yes	

4. Documentation / Website

- 4.1. Below is a link to updated LSFI web site on ToroIrrigationSolutions.com.au. All new Sell Sheet, User Guides, Quick Start Guides are available here.

4.2. LSFI Landing Page

<https://www.toroirrigationsolutions.com.au/golf/lynx-smart-field-interface-lsfi/>

5. Features & Benefits

5.1. Below is a brief outline of the features and benefits of the 2025 LSFI product. Some items may be similar but are used for different marcom communications, e.g. website vs print.

Feature	Benefit	Notes
LAN Ethernet Connection	Allows device to be located remotely to maximize system design and performance – especially radio Shorten wire paths	Can be connected directly to a central computer or a switch / router - Must be on same network as central computer
Fully Combined Communication Interface Functionality	Functions as a replacement for all supported applications of FIU & RIU - simplified system design; wired and wireless solutions	
Large color touch screen with intuitive graphic user interface	Simplifies navigation to common actions / Icon-based GUI and navigation are easy to understand and use	LCD goes to sleep after 15 minutes to maximize screen life
Enhanced Digital Radio Performance	Improved baud rates for radio synchronization activities - Performance 1.5-2x faster	Requires firmware upgrade to satellites. Also requires acceptable RSSI values to all satellite locations.
Sensor Support	LSFI will support up to 4 open/close sensors	
Activity Logging / File Storage	Onboard SD storage provides location for activity logging data.	Logs can be retrieved using LSFI Toolbox application.
Activity Screen	Provides real-time RX/TX indicators of communication activity on all active channels	LCD goes to sleep after 15 minutes to maximize screen life
Compatibility	LSFI is compatible with Lynx Smart Satellite, Lynx Smart Hub, and supported legacy Toro systems	Aligns with platforms supported in Lynx Software. LSFI is NOT compatible with SitePro
Simplifies System Control Design	Provides both hand-held control and central-to-satellite communication	

24-7 Access to Field Hardware	Provides control of your system while you're on the go	
Flexible Configurations	Supports non-OSMAC systems (wireline and digital radio) as well as OSMAC® systems	
Always On / Always Working	Designed to operate continuously, 24/7 to keep your system reliable	
Interfaces with Lynx® Central Control software without the burden of recurring network costs	Direct integration with Lynx Central Control	
Future-Ready & Legacy-Compatible	Works seamlessly with existing compatible Toro systems and supports new installations	Does NOT support older, legacy analog (Motorola or Maxon) communication methods.
Firmware Updates	Firmware updates can be done using onboard USB or remotely using LSFI Toolbox	LSFI Toolbox is for FSM, NSN and Distributors only
Improved Wireline Connectivity	Wireline connections use standard 3 conductor terminal with screw locks	LSFI will include a RJ11 adapter cable for wireline models
New Digital Radio Only SKU	Ideal for customers who require only radio / & locations that are prone to lightning activity	
SQR Code – Located on documentation and product	Enables quick / easy access to additional LSFI information and documentation	
Laser Etched Rear Panel	Permanent etching ensures that all connections and features are easily identifiable – SQR Code	
Durable Powder Coated Steel Housing	Housing is designed for the rigors of the golf course environment / Housing will provide a lifetime of protection for internal components	
Advanced Radio Tools	Adjust key radio setting and also perform factory reset	
Quiet Active Cooling System	Dual fan design keeps LSFI electronics operating at their optimum temperature	

Ping Satellites through GUI (data radios only)	Ping a satellite on the system to verify communication and also retrieve RSSI data	
Available Models	LSFI is available in a broad range of configurations to fit any golf course communication need	
LSFI Toolbox - Stand-alone application that allows for remote connectivity to LSFI and field hardware	Application enables remote diagnostic and configuration activities. Can be used to factory reset device, troubleshoot radios, adjust radio frequency, update device firmware, reboot device and other activities.	This application is located on the Lynx central computer and is designed for FSM, NSN and Distributors only.

6. FAQ's

6.1. Below is an outline of the FAQ's for the LSFI product.

Question	Response
1. What is the new LSFI device?	The LSFI is the latest field interface product by Toro® Precision Irrigation. It is the replacement for the current FIU product and effectively combines both FIU and RIU products into one innovative device.
2. What version of Lynx is required for LSFI compatibility?	The LSFI requires Lynx 8.3 or newer for ethernet connectivity.
3. Is LSFI compatible with SitePro?	No – The LSFI is only compatible with Lynx software.
4. Is LSFI compatible with my current central?	Yes, if your central computer is a CPU 116 or newer (has two ethernet connections), but we are recommending a CPU 118 or newer for best performance.
5. Is LSFI compatible with Lynx Drive?	Not at this time – Lynx Drive customers should continue to use the current FIU. We expect LSFI to be compatible in the next few months.
6. Why would I want to purchase an LSFI?	Any customer who would like to improve their wireless system performance or streamline their system design. Additionally, customers who want improved diagnostic functionality.
7. Is the LSFI a direct replacement for FIU?	Yes – The LSFI is available in wide variety of configurations including a new radio only model
8. How is the LSFI distributed and supported?	The LSFI will be distributed and supported through NSN like the legacy FIU product.
9. Are new FIU models still available for purchase?	No - After launch, all new systems and renovations other than Lynx Drive should specify an LSFI for the field interface.
10. Will the FIU still be supported by NSN?	Yes – The Toro and NSN teams will continue to support FIU's in the field
11. If my FIU stops functioning, what do I do?	If a customer is on NSN subscription, they can get support by calling NSN. If a customer is NOT on NSN, they can still call NSN to learn about options
12. How do I handle quotes/orders over the next couple of months?	All new and renovation projects should specify LSFI (except Lynx Drive) as of November 2025.

13. When will the FIU become unavailable?	After LSFI is compatible with Lynx Drive, all “New” FIU products will be discontinued (6-7- months est.)
14. How do we handle projects that were quoted earlier this year with FIU?	Any FIU’s not installed can be returned for a credit towards the purchase of an LSFI product if the customer desires.
15. Can I use the LSFI with a serial /com port connection like the FIU?	No – the LSFI requires an ethernet connection (RJ45). It can be connected directly to the central computer or connected using an ethernet router or an ethernet switch. The LSFI must be on the same LAN network the central computer is on. The LSFI can utilize both static and dynamic IP connection types.
16. Can the LSFI support wireline and digital radio functionality?	Yes - the LSFI can be configured with up to two wirelines and two digital radios (one data radio and one HHRI radio)
17. How do I tell if LSFI is communicating?	Use the activity screen to observe TX/RX activity on any installed and configured communication channel – radio or wireline
18. What does it mean when the LSFI screen is blank?	The LSFI touch screen turns off after 15 minutes to preserve the screen. Just touch the screen anywhere to “wake-up” the device
19. Will the LSFI work with an FIU in a system?	Yes, if the correct version of Lynx (8.3) is installed the LSFI will work as a HHRI device in conjunction with an FIU
20. Will the LSFI work with an RIU?	Yes, if the correct version of Lynx (8.3) is installed the LSFI will work as a wireline or digital radio device in conjunction with an RIU
21. What is the long-term replacement strategy for customers with FIU’s?	<ul style="list-style-type: none"> • Customers on NSN subscription – NSN will continue to support FIU / no changes • Customers NOT on NSN subscription – Customers will need to purchase an LSFI • NSN may have a FIU harvesting strategy and will support replacement FIU’s as long as replacement parts are available – once depleted the LSFI will be the only solution moving forward.
22. Is the LSFI compatible with sensors?	Yes, the LSFI can work with up to 4 open/close sensors – just like the FIU
23. Is the LSFI compatible with analog radios?	No, the LSFI uses only digital radios and can only communicate to digital radios in the field.
24. Can I program radios using the LSFI?	Yes, digital radios can be configured and programmed on the device using the touch screen or remotely using the LSFI Toolbox application
25. Does the LSFI use the same wireline RJ11 connector as FIU?	No, the LSFI uses an improved 3 conductor connection. The LSFI comes with adapter cables for existing RJ11 connections.