XPression DataLinq and Scoreboard Sources

XPression DataLinq

DataLinq enables live templates to be automatically filled with external data from XML files, RSS feeds, Text and JSON files, or any ODBC data source; such as Access, MS SQL, Interbase, Firebird, or MySQL, and common scoreboard vendor interfaces.

The XPression DataLinq Server software runs on either the XPression engine itself, or for more complex installations, users will install the DataLinq server software on one or more other computer systems in the facility. Using the XPression DataLinq Manager, objects in an XPression project running on an XPression real-time render engine with the DataLinq option can link to any of the external data sources gathered by the connected DataLinq servers. Some DataLinq sources require a subscription from the listed providers.

Starting with XPression 14.0, connections between the DataLinq Server and XPression, XPression Gateway, the MOS/NLE plugins, and Remote Sequencer can be secured with TLS, with certificates managed through the Ross Graphics Certificate Manager. All DataLinq connectors are digitally signed.

Available DataLinq Sources

The available types of DataLinq sources are as follows:

- **ADODB DataLinq Source** — access data contained in ADODB (OLEDB, ODBC, Access, Excel, Oracle, and other databases) sources. This source allows users to form SQL queries within their graphics templates to search and sort data from a variety of database types.

  Features: CSV files; Microsoft OLE DB Driver for SQL Server (MSOLEDB); ACE OLEDB 16.0 provider (12.4 / 14.0).

- **AMQ DataLinq Source** — access data over AMQ (Advanced Message Queuing), supporting AMQP and STOMP protocols.

  Features: primary and redundant (failover) endpoints; TLS; table presets for multiple topics (new in 14.0).

- **Amtote DataLinq Source** — access data from an Amtote serial data source.
- **ANC DataLinq Source** — access data contained in ANC streaming scoreboard protocols.
- **ASCII DataLinq Source** — access streamed ASCII data sources. Multiple message parsing supported over the same port using the table presets feature.

  Features: TCP Client mode; table presets; dynamic tables by key; save last message (12.4 - 14.0).

- **Bodet Scorepad DataLinq Source** — access data from the Bodet Scorepad data for a variety of common sports.

  Features: 15-player rosters and combined basketball game clock (14.0).

- **Captioning DataLinq Source** — access streamed caption data sources.

  Features: Serial; TCP server/client; UDP.

- **Colorado Time Systems Scoreboards DataLinq Source** — access Colorado Timing Systems data sources.
- **Daktronics DataLinq Source** — access data from the Daktronics TV Feed sports feed database.

Phone: +1 613-686-1557 • Technical Support: +1-833-859-0499 (North America) • +800 3540 3545 (Int'l) • 1 300 007 677 (Australia) • +91-22-5016-6177 (India) • 3500DR-550 • October 2026 © 2026 Ross Video Limited. Ross® and any related marks are trademarks or registered trademarks of Ross Video Limited. All other trademarks are the property of their respective companies. PATENTS ISSUED and PENDING. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without the prior written permission of Ross Video. While every precaution has been taken in the preparation of this document, Ross Video assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein.

- **Daktronics RTD DataLinq Source** — access to Daktronics RTD streaming data protocol. Separate ITF files required to parse incoming data, based on the sport.
- **DashBoard DataLinq Source** — access data from a DashBoard server.
- **Electro-Mech Scoreboards DataLinq Source** — access data from the Electro-Mech Scoreboards football or hockey/lacrosse data source.
- **FairPlay DataLinq Source** — access data from a FairPlay Scorepad for a variety of common sports.
- **Genius Sports InArena DataLinq Source** — access data from Genius Sports InArena data over TCP.
- **GSIS DataLinq Source** — access data from the NFL Game Statistics & Information System. NFL NextGen Stats (REST/JSON) can be accessed with the RSS / HTTP DataLinq Source.
- **JSON DataLinq Source** — access JSON data files.

  Features: Folder-watch mode (load all files in a folder and track changes); cached data when the source is slow (14.0).
- **NBA NGSS DataLinq Source** — access data from the NBA NGSS stats API.
- **NHL Hits DataLinq Source** — access streamed NHL Hits Scoreboard Feed data source.
- **OES Scoreboards DataLinq Source** — access data from the OES Football, Field Hockey, Lacrosse, Lacrosse with 4 Penalty, Baseball Model 7929, Basketball, Hockey, Soccer, Volleyball, Wrestling, Baseball ISC9000Std, or Baseball ISC9000Pro feeds.
- **PGA Meekus WebSocket DataLinq Source** — access PGA Meekus Data over WebSocket.
- **Raiden DataLinq Source** — access Raiden data sources.
- **RSS / HTTP DataLinq Source** — access live data from REST APIs, RSS feeds, XML, JSON, plain-text, and other HTTP endpoints. Supports static and dynamic URLs, Basic Authentication, OAuth 2.0, custom headers, API keys, proxy settings, and HTTPS/TLS for secure integration with web-based data providers (XML, JSON, or text).
- **SMT Tennis Umpire Clock DataLinq Source** — access to SMT Tennis Umpire Clock.
- **Sportech DataLinq Source** — access data from a Sportech serial data source.
- **Stats Perform API DataLinq Source** — access to Stats Perform API data sources.
- **Stats Perform DataLinq Source** — access data from the Stats Perform Out of Town Scores data source.
- **Swiss Timing Scoreboards DataLinq Source** — access the Swiss Timing Saturn/Vega and NBA Tissot Scoreboard data sources.
- **Teletimer DataLinq Source** — access a Teletimer data source.
- **Televiewer DataLinq Source** — access a Televiewer (International Sound) data source
- **Text DataLinq Source** — access data contained in delimited text files stored on disk.
- **WebSocket DataLinq Source** — access to data over WebSocket sources.

  Features: Secure WebSocket (wss/TLS); custom headers and Basic authentication; table presets; binary frames (12.4 - 14.0).
- **White Way DataLinq Source** — access data from White Way scoreboard sources.
- **XML DataLinq Source** — access data contained in XML files stored on disk.

  Features: Folder-watch mode (load all files in a folder and track changes); cached data when the source is slow (14.0).

- **XML/JSON TCP DataLinq Source** — access to XML/JSON data over TCP Server, TCP Client, or UDP.

  Features: TCP Server, TCP Client, or UDP; TLS encryption and application-level authentication -Basic, Bearer, API Key (14.0).

Supported Scoreboard Vendors and Sports

Scoreboard vendors and sports supported via DataLinq include the following:

Vendor	Sport	Minimum XPression Version and Build
ANC	Generic Feed - Stat Server	4.3 build 2252
Bodet Scorepad	Basketball	11.1 build 5770
	Floorball	11.1 build 5770
	Futsal	12.4 build 6060
	Handball	11.1 build 5770
	Ice Hockey	11.1 build 5770
	Tennis	11.1 build 5789
	Volleyball	11.1 build 5786
Colorado Time Systems	Swimming	5.9 build 3141
Daktronics[1]	Baseball	3.10 build 1719
	Basketball/ (Basketball (Rev 0))	3.10 build 1719
	Basketball (Rev 01)	4.1 build 2107
	Basketball (Rev 02)	6.1 build 3413
	Football	3.10 build 1719
	Football (Legacy protocol)	4.0 build 1997
	Hockey	3.10 build 1719
	Lacrosse	5.9 build 3155
	Soccer (Rev 1)	3.10 build 1719
	Soccer (Rev 2)	14.0 build 6285
	Volleyball	3.10 build 1719

Vendor	Sport		Minimum XPression Version and Build
Daktronics RTD[2]	Baseball	Rodeo	7.1 build 3850
	Basketball	Rugby	
	Cricket	Soccer	
	Curling	Taekwondo	
	Football	Tennis	
	Gymnastics	Track	
	Hockey	Volleyball	
	Judo	Water Polo	
	Karate	Wrestling	
	Lacrosse		
Electro-Mech	Basketball		6.5 build 3561
	Football (New)		5.9 build 3104
	Hockey - Lacrosse		5.9 build 3152
FairPlay	Baseball		11.7 build 5852
	Basketball		
	Football		
	Hockey		
	Lacrosse		
	Soccer		
	Volleyball		
	Wrestling		
Genius Sports InArena	All Sports Shot Chart table: Basketball only		11.1 build 5771
GSIS Real-time Stats	NFL Football		1.70 build 1442

Vendor	Sport	Minimum XPression Version and Build
OES	Baseball (ISC9000Pro)	7.0 build 3761
	Baseball (ISC9000Std)	7.0 build 3761
	Baseball (Model 7929)	4.3 build 2256
	Basketball	5.4 build 2618
	Field Hockey	8.2 build 4424
	Football	3.10 build 1734
	Hockey	5.4 build 2651
	Lacrosse	4.3 build 2256
	Lacrosse (4 penalty feeds)	11.9 build 5918
	Soccer	5.7 build 3047
	Volleyball	5.7 build 3047
	Wrestling	5.9 build 3136
SMT Tennis Umpire Clock	Tennis	10.1 build 5390
Stats Perform	College and Professional Sports NFL, CFL, NCAA Football, NBA, NCAA Men's and Women's Basketball, MLB, NHL, MLS.	9.5 build 4978
Swiss Timing	Saturn/Vega Scoreboard	5.9 build 3146
	NBA Tissot Timer	6.7 build 3717
White Way	Basketball	4.1 build 2113
	Football	5.9 build 3106

1 Daktronics "TV Feed" data. If connecting to a Dak 5000 style controller, the "All Sport CG" interface controller from Daktronics is required.

2 Daktronics RTD feed requires separate ITF files required to parse incoming data, based on sport. These files are provided by Daktronics, not Ross Video.

Other Data Sources

Other sports data services are accessed using the industry standard CII Protocol using the XPression CII Gateway and the CII X-Commands for External Data Source use.

RESTful JSON/XML feeds such as SportRadar can be accessed with the RSS / HTTP DataLinq Source, which supports static and dynamic URLs, Basic and OAuth 2.0 authorization, and delimited text formatting. Stats Perform (Opta) data is available through the dedicated Stats Perform API DataLinq Source.

Google Sheets

Support for Google Sheets is now possible, using the XPression 11.5 release of DataLinq and the RSS/HTTP DataLinq source, with the URL settings formatted as TEXT. The Google Sheet should be set up to share using Share to Web using Comma Separated Values (.csv).