

◆ **Summary**

BATS Europe is Making Markets Better by offering Multicast PITCH which provides low latency, real-time depth of book and execution information with reduced PITCH events and the choice of two multicast feed solutions.

Multicast PITCH

Low Latency, Real-Time Market Data Feed

◆ **Details**

BATS Europe's Multicast PITCH provides real-time depth of book quotations and execution information with a **significant reduction in latency and 20% fewer PITCH events**.

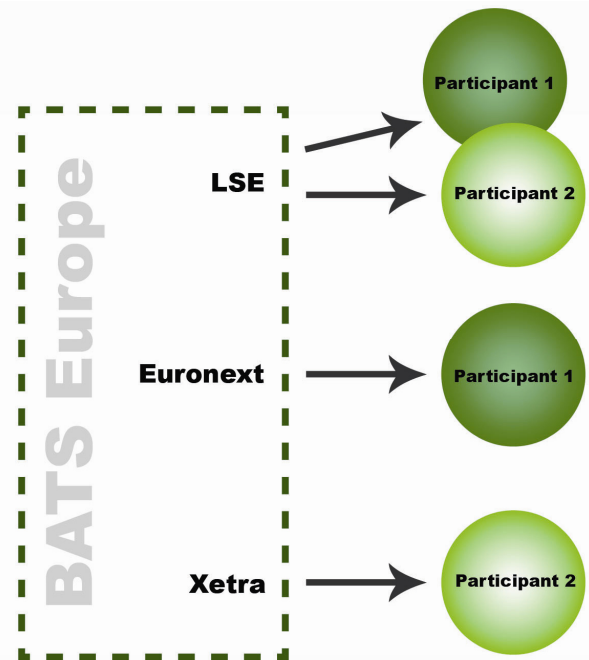
BATS Europe users can choose between Gig-shaped feeds or WAN-shaped feeds. The Gig-shaped feeds are a collection of multicast addresses and gap request infrastructure shaped for gigabit connectivity to BATS Europe. A minimum of one gigabit per second of connectivity to BATS Europe via cross-connect or a dedicated circuit is required for the Gig-shaped feeds.

The WAN-shaped feeds are a collection of multicast addresses and gap request infrastructure shaped for WAN connectivity to BATS Europe. A minimum of 50 megabits per second of connectivity to BATS Europe is required for the WAN-shaped feeds.

Refer to Appendix A of the BATS Europe Multicast PITCH Specification for more information on bandwidth requirements.

Replay Service

As part of Multicast PITCH, BATS Europe offers a replay service allowing users to rapidly catch up on any missed messages. For larger outages, the new Spin Server lets users reconnect to the Multicast PITCH feed intraday and quickly build a snapshot of the state of the order book without having to replay every message since the open.



Symbol Ranges & Units

Symbols will be separated by market to provide flexibility and allow users to only receive the data they need. For example, if a user only wants to receive data for LSE-listed symbols, then the user would only subscribe to the LSE multicast group.

For more information, refer to the Multicast PITCH Specification.

◆ **Links**

- [Multicast PITCH Specification.pdf](#): Low latency, real-time market data feed.
- [PITCH Specification.pdf](#): Direct market data feed specification.
- [FIX Specification.pdf](#): FIX (Financial Information Exchange) protocol information.
- [Market Guide.pdf](#): General information including fee schedules, symbology and order types.

◆ **Contacts**

Sales	+44.207.012.8906	SalesEurope@batstrading.com
Trade Desk	+44.207.012.8901	TradeDeskEurope@batstrading.com
NOC	+44.207.012.8905	NOCEurope@batstrading.com

BATS Trading Limited is authorised and regulated by the Financial Services Authority. BATS Trading Limited is a wholly-owned subsidiary of BATS Global Markets, Inc. and is a company registered in England and Wales with Company Number 6547680 and registered office at 25 Copthall Avenue, London EC2R 7BP. This document has been established for information purposes only. None of the information concerning the services or products described in this document constitutes advice or a recommendation of any product or service. To the extent that the information provided in this document constitutes a financial promotion as defined by section 21 of the Financial Services and Markets Act 2000, it is only directed at persons who qualify as a Professional Client or Eligible Counterparty. Persons who do not qualify should not act on or rely upon it.