

# Numera Libris Guide

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## Introduction

Numera Libris is a GPS mobile device that provides alarm messages and plots the data on a map in the “Libris” portal. It does not contain any client information. However, when integrated with Manitou using the Bold UniversalConnector, it works in tandem to provide a great deal of information for the operator/agent responding to the alarm.

For more information on the Numera Libris product, please visit <http://numera.com/libris/>.

## Purpose

The purpose of this document is to provide guidance in integration between Numera Libris and Manitou/ManitouNEO. This is NOT a step by step instructional manual.

## Manitou/ManitouNEO Integration

### Requirements

- Bold MediaGateway/UnivesalConnector with a FILE connector type
- Bold POSTlistener configured in the C:\inetpub directory of an IIS system with ports 80 or 443 exposed.
- Bold XML Receiver configured for the MediaGateway
- Manitou Transmitter Type for Event Monitoring system (if using optional TwoWayPLUS, configure the desired signals as Audio Capable) with Raw Programming enabled

### Options

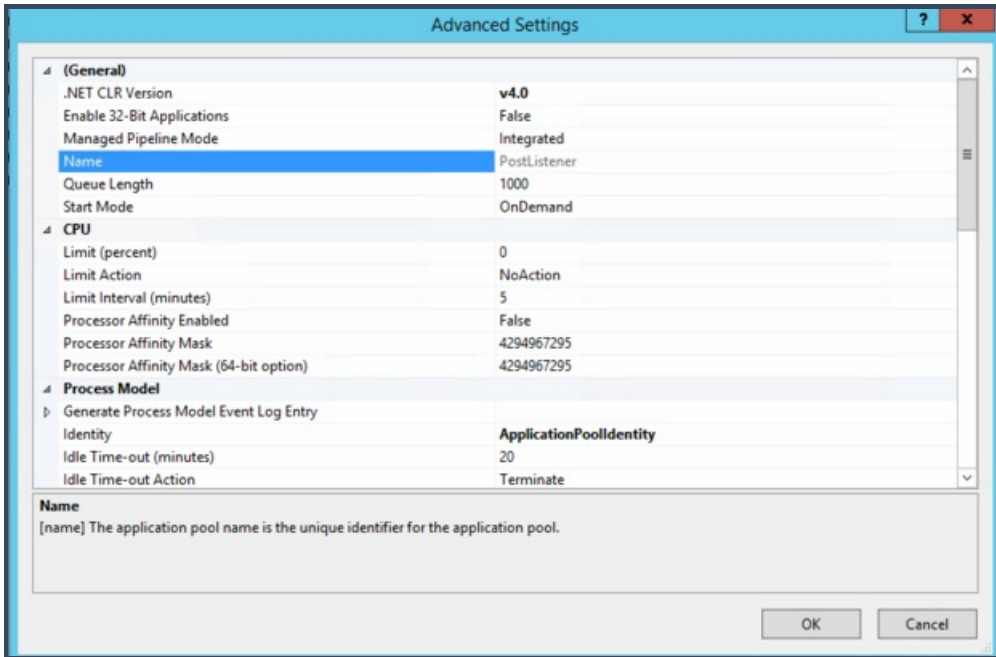
- TwoWayPLUS (specifically InstantConnect)
- BoldTrak GPS (to see latitude/longitude coordinates in Manitou – including historical data)
- Bold XML Receiver configured for the GPS MediaGateway
- Manitou Transmitter Type for GPS system with Raw Programming enabled

## Numera Libris Account Information

Numera Libris will setup two server platforms for customers: (1) for “staging,” and, (2) for “production.” If you are using the POSTlistener configured for Numera Libris, the Public IP will be included in the “Whitelisted” portion of the CSHTML file.

Nortek uses a PUT command rather than a POST command. If not using the POSTlistener provided, be prepared to configure the web application to accept PUT commands.

Set the app pool for the SMSlistener to be the following:



Nortek will need the following information:

- The URL endpoint for the monitoring center's IIS server - typically similar to <http://monitoringcenter.com/POSTlistener/POSTlistener.cshhtml>
- The monitoring center's phone number/hunt group for the inbound calls (regardless of whether they are using TwoWayPLUS)

## Numera Libris / Manitou Event Code Translations Using HTTP POST/PUT

Reported Condition	Manitou Interpretation (Description)	Event Code
Normal	Panic	PA
MedicalDevice	Medical Device Alert (Libris+ only)	PA1
Fall	Medical Alarm	MA
Classify	Fall Possible	MT
GPSLoc	Location Update - GPS	UX1
NetworkLoc	Location Update - Network	UX2
BatteryLow	Battery Low	*L
ON	Device Powered On	*ON

Activation	Device Commissioned (Device was activated)	*A
Deactivation	Device Decommissioned (Deactivated)	NC
FailActivation	Device Commissioning Failed	NT
NetworkChange	Network Availability Change	*Z
LowActivityAlarm	System Inactivity	*LG
LongChargeAlarm	System Inactivity (In charger)	*LO
ChargeChange	Charger Change (On/Off charging cradle)	*M

\*Note – Not all events from Numera Libris are transmitted to the Bold UniversalConnector through the API. Additionally, many of these events are defaulted to “Alarm = No.” Please ensure that any events you desire to have presented to an operator are modified in the Transmitter Type Event Programming.

## Nortek/Numera Libris API Raw Events & Descriptions

The following is an excerpt from the Nortek API document:

Event Type	Displays As	Description
LocationFix	Location update	A Location fix (satellite or network) was obtained
Normal	Call	User-initiated phone call from a button press
ON	Powered on	The device turned on or started after a reboot
Classify	Classify	Event created when analyzing activity for a fall
Note	Notes updated	A Patient note was updated
Status	Status	Status log entry
Debug	Debug	Debug log entry
ChargeChange	Charge status	Indicates the state of charging
NetworkChange	Network	Network availability change
Fall	Fall Assistance Call	Fall detected and call initiated
Logfile	Unknown	A request to download logs
BatteryLow	Low Battery Alert	Device has crossed the critical threshold of charge

<a href="#">Activation</a>	Device Activation	Device was activated
<a href="#">FailActivation</a>	Device Fail Activation	The activation failed
<a href="#">Deactivation</a>	Device Deactivated	Device de-activated in UI or through API
<a href="#">MagCalibration</a>	Magnetometer Calibration	Device was re-calibrated based on device's location
<a href="#">LowActivityAlarm</a>	Low Activity Alarm	User has not had significant movement for the duration configured
<a href="#">LongChargeAlarm</a>	Long Charge Alarm	Device left in charger too long
<a href="#">MedicalDevice</a>	Medical Device Alert	Generated as part of Libris+ events

## Files

[NumeraPutListener.zip](#) 