



Keri Access Control Integration White Paper

Contents

- 1 Introduction2
- 2 Features and Abilities.....3
 - a. General Device Features.....3
 - b. Wrapper Requirement.....3
 - c. Device Objects3
 - d. Device Events.....4
 - e. Metadatabase.....5
- 3 Conclusion7

1 Introduction

This document indicates the features/abilities of the Keri Access Control software when integrated with CathexisVision.¹ Functionally, this integration will entail the triggering of standard CathexisVision Events, based on the triggers from the Keri panel.

General Requirements

- CathexisVision 2020.2 and later
- Win 10-64bit and later, Win Server 2008 R2 and later.

Note:

1. For information regarding the regular operation of a Keri device, please consult the relevant Keri documentation.
2. There is a General Integration section in the main CathexisVision manual. It contains information on creating an integration database, as well as a general introduction to the Integration Panel. **Read over this section.**
3. The Keri device cannot be detected if the Controller or Communications channel has lost connection when using the Serial Port.

CathexisVision License Requirements

License No.	License Name
CKRI-1001	Keri access control reader
CKRI-2000	Keri access control device
CKRI-3000	Keri Access control bundle

¹ While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit, nor implied. Specifications are subject to change without notice.

2 Features and Abilities

This section indicates the features/abilities of the Keri Access Control software when integrated with CathexisVision.

a. General Device Features

- All device messages are databased as Access events, security events and information event messages.
- Reader objects support overlays indicating door status, access granted/denied, cardholder photo, and request to exit messages, among others.
- Device objects can be used to trigger events.

b. Wrapper Requirement

The integration requires a wrapper to be installed on the same system as Doors.net, and the Keri unit sends information to Doors.net. The wrapper is available to download from the Cathexis website: <https://cathexisvideo.com/>

The wrapper needs to be installed manually and is done so in three steps: enter the Cathexis Keri Wrapper Setup Wizard, Select the directory to install the wrapper in, Click Install.

c. Device Objects

- Objects may be linked to cameras to associate device events with video footage.

Object Type	Feature
ControlPoint	General <ul style="list-style-type: none"> • ControlPoint may be commanded. • ControlPoint objects support overlays.
	Object Properties <ul style="list-style-type: none"> • Name • State
	States <ul style="list-style-type: none"> • Unknown
	Command <ul style="list-style-type: none"> • Clear • Pulse • Set
MonitorPoint	Object Properties <ul style="list-style-type: none"> • Name • State • Fault • Mask • Local Mask • Entry Delay
	States <ul style="list-style-type: none"> • Unknown

Reader	The following Panel object properties are indicated in CathexisVision:	
	Object Properties	<ul style="list-style-type: none"> • Name • Mode • Door state • Licensed
	Door States	<ul style="list-style-type: none"> • Unknown
	Command	<ul style="list-style-type: none"> • Card only • Lock • Temporary unlock • Unlock
Wrapper	Object Properties	<ul style="list-style-type: none"> • Name • State
	States	<ul style="list-style-type: none"> • Wrapper online • Wrapper offline
Communication Channel	Object properties	<ul style="list-style-type: none"> • Name • Channel status • Details • Creation type • Creation time • Idle time (min)

d. Device Events

Event Element	Features/Abilities	
General	<ul style="list-style-type: none"> • Events triggered on the Keri system are sent to CathexisVision. • Device event types are Control Point, Miscellaneous, Monitor Point, Reader, Wrapper. 	
Device Event Types	Control Point	<ul style="list-style-type: none"> • Time • Control point • Description
	Miscellaneous	<ul style="list-style-type: none"> • Time • Object name • Description
	Monitor Point	<ul style="list-style-type: none"> • Time • Monitor Point • Description
	Reader	<ul style="list-style-type: none"> • Time • Description • Reader • First Name • Last Name

Wrapper

- Cardholder ID
- Time
- Description

**CathexisVision
Event Actions**

Events triggered on the Keri system are reflected in CathexisVision, and can be used to create CathexisVision system events which may control one of the device objects as an action of the system event.
ControlPoint and Reader objects may be controlled via a CathexisVision system event action, to perform an action.

e. Metadatabase

A unique metadatabase is created on the CathexisVision server for this integration. It is fully searchable with configurable filters based on device event information (as above) and time stamping. The filtered event/s and the associated video will then be available for review in a new window from which an archive can be created and exported.

Database Element	Features/Abilities
General	<ul style="list-style-type: none"> • All device events are databased as Reader, ControlPoint, Monitor Point, Wrapper, and Miscellaneous. • Database entries include the footage from cameras linked to device objects. • Multiple cameras may be linked to multiple objects. • Device event meta-data is displayed where applicable. • Databased device events may be viewed in the embedded video player, which includes the usual CathexisVision video review tools.
View Options	<p>The metadatabase may be viewed by the following options:</p> <ul style="list-style-type: none"> • Reader • ControlPoint • MonitorPoint • Miscellaneous • Wrapper
Sort Options	<p>The metadatabase may be sorted by:</p> <ul style="list-style-type: none"> • Device event time.
Easy Search	<p>The metadatabase may be searched specifically for:</p> <ul style="list-style-type: none"> • Description • Object • First Name • Last Name • First and Last Name
Filter	<p>The metadatabase may be filtered according to:</p> <ul style="list-style-type: none"> • Time • Event Type • Description • Object • First Name • Last Name

- Cardholder ID

Export

Database entries may be exported in CSV and PDF format.

3 Conclusion

Remember that this document was designed to deal specifically with integration. For further information about the CathexisVision software, consult the main manual (<http://cathexisvideo.com/>). For support, email support@cat.co.za.