



# CASTELSUITE/MILESTONE INTERCOM USER MANUAL

Subject : This document describes the procedure for implementing an interfacing solution between CastelSuite and MileStone's XProtect solution concerning intercommunication feature

CastelSuite/Milestone Intercom User Manual

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603-0128 b

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# 1. SOMMAIRE

1.	In	troduction	3
2.	Sc	oftware recommendations	3
3.	Μ	ilestone/CASTELSuite orientéD « Intercom »	3
1	L)	The different steps	4
	1.	Installation of the « CASTEL » plugin	4
	2.	Activation of the feature in CASTELServer	5
	3.	Automatic detection of CASTEL « CAMERA » type equipment via ONVIF	5
	4.	Creation of the CastelSuite server and Castel Ip door entry station in the management client	7
	5.	Configuration in the Smart Client 1	1
	6.	XellipMedia software Installation1	4
	7.	Exploitation in SmartClient software1	6

21/03/2022

www.castel.fr

Page 2/19



# 1. INTRODUCTION

This document aims to describe the procedure for implementing an interface between CastelSuite and Milestone concerning the intercom.

The main idea here is to be able to communicate in SIP with the IP doorphones of the CASTEL range from the Milestone SmartClient.

To do this, SmartClient will be associated with the SIP phone software of CASTEL named XellipMedia.

Note: For the features of Milestone XProtect software, refer to the XProtect software manual.

# 2. SOFTWARE RECOMMENDATIONS

The software components involved in the integration are :

- CASTELSuite server :
  - CASTELSuiteServer : CASTELSuite must be installed on a machine in order to manage CASTEL door entry stations. The minimum CASTELSuite release required is 5.11.
  - o Java is required for CASTELSuite application (JRE or JDK). The minimum Java release is 1.8
  - SQL Server is required. The minimum SQL Server 2014 is required.
- XELLIPMedia :
  - This integration solution requires the CASTEL Soft phone named « XELLIPMEdia ». Indeed, Milestone XPRotect will remotely control this software to manage SIP communications.
  - XellipMedia Minimum Release 2.5.x is required
- Milestone server :
  - XProtect Server : XProtect solution must be installed on a machine. Release 2019 R3 is required.
  - MIPCastelInterphoniePlugin : The plugin developped by CASTEL must be installed. The minimum release required is 5.11.0.
  - .Net Framework 4.6 is required.

# 3. MILESTONE/CASTELSUITE ORIENTED « INTERCOM »

The services offered are:

- View on a SmartClient map a graphic element representing a Castel IP door entry station
- Carry out commands from XProtect to the Castel IP door entry station

CastelSuite/Milestone Intercom User Manual



- Communicate in SIP with the door entry station of the CASTEL range using the audio resources of computer equipped with SmartClient
- View on a SmartClient map a graphic element representing the CASTELSuite server.
  - CASTELSuite server in operation
  - CASTELSuite KO server

### 1) THE DIFFERENT STEPS

### 1. INSTALLATION OF THE « CASTEL » PLUGIN

This interfacing requires the installation of the MIPCastelSuite Plugin under the MIPPlugins folder of the Milestone installation (for example « C:\ProgramsFile\Milestone\MIPPlugins »)

You must then create the MIPCastelInterphonie1 directory which will contain a plugin.def and MIPCastelInterphonie1.dll file

C:\Program	Files\Mileston	e\MIPPIugins\MIPCastelInterphonie1	
4-		Nom	Modifié le
le		MIPCastelInterphonie1.dll	05/11/2020 10:10
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plugin.def - Bloc-notes				_		×
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<plugin> <file name="MIPCastelInterphonie1.dll"></file> </plugin>						~ ~ ~
<						>
	Ln 2, Col 37	100%	Windows (CRLF)	UTF-	В	:

<u>Warning</u>: On some machines, the following message may appear when starting the Milestone server when loading the DLL: "Impossible to load file or assembly HRESULT 0x80131515".

To solve the problem, just open a Windows explorer window, go to the directory where the dll is located and right-click on it to display the properties window.

If the dll is blocked, there should be an Unblock button at the bottom right. Just click on this button to unlock the file:

CastelSuite/Milestone Intercom User Manual

www.castel.fr





# 2. ACTIVATION OF THE FEATURE IN CASTELSERVER

The CASTELServeur "Preferences" page proposes the activation/deactivation of interfacing with MileStone for the intercom part.

		Interfacing with Milestone XProtect for Intercommunications feature
Interfacing with Milestone XProtect for Intercom feature	$\checkmark$	Interfacing with Milestone XProtect for Intercom feature
		Interfacing with an I DAP directory to obtain position numbers

# 3. AUTOMATIC DETECTION OF CASTEL « CAMERA » TYPE EQUIPMENT VIA ONVIF

"Video" type sources must be detected via Onvif in the "Recording servers" section



CastelSuite/Milestone Intercom User Manual		Page 5/19
21/03/2022	www.castel.fr	603-0128 b



Ajouter un matériel				×
	Ajouter un matériel			
$\times$	Cet assistant vous permet de détecter et de configurer le matériel.			
J- <i>Y6</i>	Méthode de détection du matériel :			
	<ul> <li>Express (recommandé) Détecte automatiquement le matériel sur le réseau local du serveur d'enregistrement</li> </ul>			
	<ul> <li>Analyse des plages d'adresse</li> <li>Analyse des plages d'adresse réseau définies et détection des modèles de matériel</li> </ul>			
	<ul> <li>Manuel</li> <li>Détecte les modèles de matériel pour des adresses IP et des noms d'hôtes saisis manuellement</li> </ul>			
milestone				
Aide	< Précédent Suivant >	ļ	Annuler	

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	castel	•••••					
					1		
	Aide		< Précédent	Suivant >		Annuler	

CastelSuite/Milestone Intercom User Manual		Page 6/19
21/03/2022	www.castel.fr	603-0128 b



Ajouter u	un matériel					×
Patien Une fo	ntez le temps que votre matériel soit is la détection terminée, sélection	détecté. nez le matériel à ajouter.			milest	one
Serveurd	lásastá .				Arrêt	
Ajouter	Adresse	Port	Modèle de l'appareil	État		
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	10.49.28.182	80	ONVIF Conformant Device (ONVIF)	S Échec		
	10.49.28.210	80	ONVIF Conformant Device (ONVIF)	Echec		
$\checkmark$	10.49.28.211	80	CASTEL XEAUDIO-1B (ONVIF)	🖌 Succès		
Affich	er le matériel exécuté sur d'autres serve	urs d'enregistrement				
	Aide		< Précédent Suivant >		Annuler	

# 4. <u>CREATION OF THE CASTELSUITE SERVER AND CASTEL IP DOOR ENTRY STATION IN</u> <u>THE MANAGEMENT CLIENT</u>

Before being able to integrate the various CASTEL door entry station into Milestone, you must create the interface with the CASTELSuite server. This action is performed via our plugin in the "MIP extension modules" part of the XProtect Management Client.

21/03/2022

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Milestone XProtect Management Client 2020 R		-	×
<u>Fichier</u> <u>M</u> odifier <u>V</u> ue <u>A</u> ction <u>O</u> utils <u>A</u> ide			
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Navigation sur le site 🚽 🕂 🗙			
Bases ^ Renseignements sur la licence Renseignements sur le site Serveurs	♦ milestone   XProtect <sup>®</sup>	$ \times $	1
	CASTEL Interphonie		
Périphériques     Périphériques     Microphones     Microphones     Microphones     Mitadonnées     Surtie     Profils Smart Client     Profils Smart Client     Profils Smart Client     Profils Genemats     Règles et événements     Profils de temps     Profils de temps     Profils de temps     Profils de notification     Evénement adlytique     Evénements définis par l'utilisateur     Evénements     Evénements définis par l'utilisateur     Evénements     Evénements	Bienvenue dans la page de configuration de l'interfacage avec CASTELSuite		
E. Iransact     E. Sources de transactions     Définitions des transactions     Alarmes			
Kodules d'extension MIP     Modules d'extension MIP     Serveurs CASTEL Interphonie     Serveurs CASTELSuite     IpStations			
		_	

## Step 1 : Creation of the interface with CASTELSuite



#### Step 2 : Complete the various server parameters

The parameters to be entered are :

- A name to identify the interface
- The IP address of the CASTELSuite server
- Connexion mode:
  - $\circ$  Secured :
    - The connection with the WebServices of the CASTELSuite server will be made in https. In this mode, it is imperative:
      - Install the Apache certificate of the CASTELSuite server on the Milestone server

stelSuite/Milestone Intercom Liser Manual		Page 8/19
	www.castel.fr	
/03/2022		603-0128 b



- To specify the DNS name of the CASTELSuite server which was used to generate the Apache certificate. An IP address will not work.
- Activate the security of WebServices in CASTELSuite via the "Preferences" menu
- Example :

Controllers	<b>→</b> ₽	Renseignements Controller		
Serveurs CASTELSuite	•	Nom du serveur CASTELSuite	MyCastelSuite	
		Serveur : <adresse>:<port></port></adresse>	DL0319UC002	
		Connexion sécurisée:		
		Identifiant de connexion :	castel	
		Mot de passe de connexion :	•••••	
			Utilisateur	Adresse XellipMedia
		Association Utilisateur/Xellip Media		
			Ajouter	Supprimer

- Not secured:
  - The connection with the WebServices of the CASTELSuite server will be made in http. In this mode, it is imperative to :
    - Specify the Ip address or the DNS name of the CASTELSuite server with the port number 8080
    - Example :

Nom du serveur CASTELSuite	MYCastelSuite
Serveur : <adresse>:<port></port></adresse>	DL0319UC002:8080
Connexion sécurisée:	
Identifiant de connexion :	castel
Mot de passe de connexion :	•••••

- Login Id/password :
  - The username/password pair specified here must have been configured on the CASTELSuite server.
- The links between a user and an IP address of XellipMedia
  - You must specify here the IP address associated with each user of the SmartClient so that the XProtect event server can remotely control the correct XellipMedia application depending on the user who is placing the order. (See paragraph « XellipMedia software Installation » for more details).

#### Step 3 : Load CASTEL IP door entry station

stelSuite/Milestone Intercom User Manual		Page 9/19
	www.castel.fr	
/03/2022		603-0128 b



Once the CASTELSuite server has been identified, you must select in the "Site navigation" section the element "Portiers IP Castel"



#### Step 4 : Start loading door station

Milestone XProtect Management Client 2020 R2		-		×
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Navigation sur le site       P X       IpStations         Renseignements sur la licence       Renseignements sur le site       Portiers IP Castel         Serveurs       Serveurs       Poste XEVIDEO-         Serveurs       Poste XEVIDEO-       Poste XEVIDEO-         Périphériques       Caméras       Poste XEVIDEO-         Microphones       Haut-parleurs       Microphones         Haut-parleurs       Microphones       Poste XEVIDEO-         Profils Sonart Client       Sortie       Client         Régles et événements       Profils de temps         Profils de temps       Profils de temps         Profils de obfication       Evénements génériques         Securité       Reles         Ublisateurs       Tableau de bord système         Tableau de bord système       Tableau de bord système         Tableau de bord système       Sources de transactions         Définitions des transactions       Définitions de transactions         Modules d'extension MIP       Modules d'extension MIP	Reseignements lpStation   3_1     1   Recharger la configuration CASTELSuite   Rechargement			¥ #
E Serveurs CASTELSuite				
Portiers IP Castel				
			-	

#### Step 5 : Associate each CASTEL door entry station with a camera

Once the door entry station have been downloaded, it is then possible to associate a camera with them.

	Page 10/19
www.castel.fr	603-0128 b
	www.castel.fr





# 5. CONFIGURATION IN THE SMART CLIENT

# PUT A « CASTELSUITE SERVER » ELEMENT ON A MAP

Step 1: Before performing this operation, you must first switch the SmartClient to "Configuration" mode»





CastelSuite/Milestone Intercom User Manual		Page 11/19
	www.castel.fr	
21/03/2022		603-0128 b



XProtect <	< Sélectionner une vue > 🔹 🦌 🔀
📰 Vues 🔨	14:00:07 Merci d'utiliser cette licence d'essai pour présenter ou évaluer le logiciel de gestion vidéo XProtect. La licence d'essai expirera le 19/06/2021. Pour bénéficier pleine
Rechercher des vues et caméras Q	
<ul> <li>Confidentiel</li> </ul>	
🖌 🛅 Nouveau groupe	
4 Nouvelle vue (2 x 2)	
Time test	
Time toto	✓  Créer un nouveau plan
Ter III 💉 🛪 🐁	Nom Art and a second seco
Raccourci : Définir	batiment1 Parcourir
Vue d'ensemble du système	► Ma hatment1
Alarmes	
Alignment     Alignment	
o Cyclique	
Hot spot	
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R Moniteur d'accès	
Navigateur de caméra	
💮 Page HTML	
M Plan	
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Boutons de recouvrement	
Application	
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Contrôle d'accès	
✓ Propriétés ✓	





CastelSuite/Milestone Intercom User Manual		Page 12/19
	www.castel.fr	
21/03/2022		603-0128 b



### Step 4 : Move the "CASTELSuite server" element on the map

The positioning of an element of this type is carried out via the following icon





All you have to do is drag and drop the CASTELSuite server icon onto the map in the place provided.

Outils	Sélecteur d'éléments	GVM
	Entrer un filtre	S T MI
⊻ •0 7 ₹ ▲ A ₩ ₩ ₩ ₩ ₩ ₩	CASTEL Interphonie CASTEL Suite CASTELSuite Poste XEVIDEO-6B_1 Poste XEVIDEO-1B_1 Milestone XProtect Transact	Alle CASTELSuite Otymaliente M. 1 PRIVÉ
	Sélectionner un élément sur le plan	atle 6

# PUT A « DOOR ENTRY STATION » ELEMENT ON THE MAP

Perform the same type of operation but select an item such as "Ip Castel door entry station"

astelSuite/Milestone Intercom User Manual		Page 13/19	
	www.castel.fr		
1/02/2022		603-0128 b	



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<ul> <li>■</li> <li><ul> <li></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul>	Entrer un filtre  CASTEL Interphonie  CASTELSuite  Poste XEVIDEO-68_1  Nilestone XProtect Transact	CASTELSuite obvallent CASTELSuite obvallent PRIV Satte Satte Poste XEVIDEO-6B Satte Satte PRIV	GYMNASE É 1 É

# 6. <u>XELLIPMEDIA SOFTWARE INSTALLATION</u>

It should be understood here that each machine on which an XProtect SmartClient is running must be equipped with XellipMedia software in order to be able to communicate in SIP with the door stations.

Warning: You must activate the interface with CASTELSuite to authorize the control of XellipMedia by CASTELSuite:

Config	uration						
Diver	s Sécurité	Comptes SIP	Réseau	Multimédia	Maylis	CASTELSuite	
1	☑ Interfacag	e CASTELSUIT	E Actif				
	Interfacage	CASTELSuite -		_			
	Numéro de	port:	6000				
							1
				Ok	Annule	r Aide	

CastelSuite/Milestone Intercom User Manual		Page 14/19
1/02/2022	www.castel.fr	603-0128 b
21/03/2022		



Current operation requires that each SmartClient must authenticate with a different username in order to be able to associate a user with a machine Ip address. For example, on machine "PC1" a user will need to authenticate with user PC1, on machine "PC2" a user will need to authenticate with user PC2. Then at the level of the CASTELSuite server, it will be necessary to inform in the Management Client the association between the user PC1 and the Ip address of the machine PC1.

**Warning**: For CASTELSuite to be able to control XellipMedia, it is imperative that there is in the XellipMedia directory the door entry devices configured with the correct extension of the following type:

- In stand alone: sip: <extension number> @ <ip address of the gatekeeper>
- In SIP server mode: sip: <extension number> @ <server ip address>

#### User creation

It is therefore necessary to create a basic user per machine on which the MartClient and the XellipMedia software will have to be run.



#### <u>Assign a role to each user</u>

The example presented here gives the role "Administrator" to each user but the configuration can of course be different

CastelSuite/Milestone Intercom User Manual Page 15 / 19
www.castel.fr 603-0128 b



#### <u>Associate the IP address of the associated XellipMedia with each user</u>

Thus the Milestone event manager can make the link between a SmartClient identifier and a XellipMedia.

Controllers 👻 🕂	Renseignements Controller		
Serveurs CASTELSuite	Nom du serveur CASTELSuite	CASTELSuite	
	Adresse IP	192.168.1.80	
	Association Utilisateur/Xellip Media	Utilisateur Adresse Xellip Media user1 192.168.1.42 user2 192.168.1.80	
		Ajouter Supprimer	

# 7. EXPLOITATION IN SMARTCLIENT SOFTWARE

You then have on the map an icon representing the status of the CASTELSuite server and various icons representing the Ip Castel door station.

- CASTELSuite server
  - If the remote CASTELSuite server is present, the following icon indicates that the connection is active with this server and that the SmartClient is ready to receive call events from the gatekeepers

astelSuite/Milestone Intercom User Manual	Page 16/19
www.castel.fr 1/03/2022	603-0128 b





 If the remote CASTELSuite server is absent, the following icon indicates that the connection is inactive with this server. You must then start the CASTELSuite application on the dedicated server



- Castel door entry station
  - o The following icon represents Ip CASTEL equipment in the idle state



It is then possible to go into communication with this equipment by right clicking on the icon:



o The following icon represents a CASTEL IP equipment performing an outgoing call



It is then possible to answer the call by right clicking on the icon:

CastelSuite/Milestone Intercom User Manual		Page 17/19
	www.castel.fr	602 0120 k
21/03/2022		603-0128 D



6	G	
Pos	Y Afficher les alarmes	
	<ul> <li>Acquitter les alarmes</li> </ul>	
	Désactiver les alarmes	•
te 7 -	S Ignorer le statut	•
	Répondre à l'appel	
	👬 Centrer le plan ici	
	€ Zoom avant	
Poste X	Q Zoom arrière	

• The following icon represents an Ip CASTEL equipment in communication:



It is then possible to carry out the following commands:

command on the remote computer by right clicking on the icon:



Note: The list of available commands depends on the door station configuration

CastelSuite/Milestone Intercom User Manual		Page 18/19
	www.castel.fr	502 0128 h
21/03/2022		005-0128 0



• End the communication by right-clicking on the icon

		GYMNASE	
Post	Y	Afficher les alarmes	
107	~	Acquitter les alarmes	
	<b>@</b>	Désactiver les alarmes	
in i	0	lgnorer le statut 🔶 🕨	
		Libérer l'appel	
		Ouverture de porte 21	
oste X		Ouverture de porte 11	
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