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Refer to the GenWatch3 Manual Overview for your full license. All license information contained on pages 4-7 (Book 600-2.17.4-AA.1) are to be considered as contained herein.

Support

Customer satisfaction is our number one priority at Genesis. We are here to provide you with the best software possible, and we want to know when you have any questions, concerns or problems with GenWatch3 so that we can make it a better product for everyone.

Refer to the *Troubleshooting & Support* section of the GenWatch3 Manual Shell (Book 600-2.17.4-AA.1) for complete support and contact information.

Document History

Revision	Description	Author
2.0.2	Initial Release	JAW
2.0.3	Revision before release	JPS
2.0.4	Described *Source* option and updated screenshots	JAW
2.0.4	Slight rewording of text in the Connection Settings section	JAW
2.0.4	Added two thumbnail screenshots to show options available when GenGET or Zone Controller are selected.	KIH
2.0.5	Revision before release	TDW
2.0.6	Updated screenshots for F1 Help	REB
2.0.6.6	Revisions before release	KIH
2.2	Document reviewed	WRK
2.3	Release Revisions	REB
2.4	Revisions Before Release	WRK
2.5	Revisions Before Release	CWF
2.6	Revisions Before Release	CWF
2.7	Revisions Before Release	JAW
2.8	Revisions Before Release	CWF
2.9	Revisions Before Release	CWF
2.10	Revisions Before Release	ATG
2.11	Conversion to docx	BCY
2.11	Revisions Before Release	ATG
2.12	Revisions Before Release	JAW
2.13	Revisions Before Release	ATG
2.14	Revisions Before Release	JAW
2.15	Revisions Before Release	REB
2.16	Revisions Before Release	JPS

Table of Contents

Goals

This document guides you through the GenWatch3 GW_ATIA connection setup process. After you complete the steps in this document, your GenWatch3 installation will be configured to receive data from your GenGET Data Reader, Data Processor, or ATIA port on your Motorola Astro P25 or Dimetra system.

Who Should Read This Manual?

This document is written for an audience with an understanding of computer and network administration. Specifically, it is for those who have purchased GenWatch3 with an ATIA input source (Motorola Astro P25 or Dimetra Systems).

How This Manual Is Organized

This manual is organized as follows:

- **Configuring the GW_ATIA Module:** Instructions on setting up a connection to a Zone Controller ATIA port or a GenGET Data Reader or Data Processor.

This manual contains the following images, used to indicate that a segment of text requires special attention:

Additional Information: Additional information is used to indicate shortcuts or tips.

Warning: Warnings are used to indicate possible problem areas, such as a risk of data loss, or incorrect/unexpected functionality.

Chapter 1   Configuring the GW_ATIA Module

What is GW_ATIA?

The GW_ATIA module receives and decodes packets from one or more packet sources. Packet sources include:

- GenGET Data Readers
- GenGET Data Processors
- Zone Controller ATIA ports

GenGET Data Readers are attached to the ATIA port of an Astro P25 or Dimetra Motorola trunked radio system. Each connection provides ATIA data from a Motorola ASTRO Core.

Each GenGET Data Reader or Data Processor is accessed via a GenWatch3 GW_ATIA connection. The GW_ATIA graphical user interface (GUI) allows you to manage each GW_ATIA connection. The number of connections allowed within the GW_ATIA GUI is restricted by your GenWatch3 license.

GW_ATIA can also bypass the GenGET layer and connect directly to the ATIA port of the Zone Controller. However, GenWatch3 does not support ATIA archiving for reporting, so in most cases the GenGET layer is suggested.
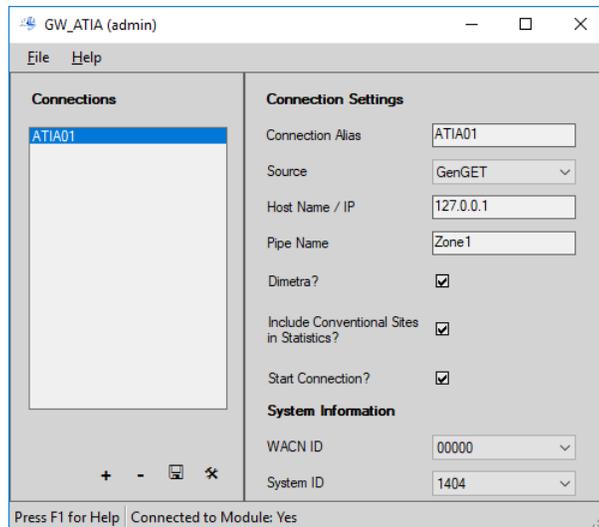
Figure 1.1 – GW_ATIA GUI

Loading the GW_ATIA GUI

Launch the GUI for the GW_ATIA module by following the steps below:

1. Launch the GW_LaunchPad. (see *GenWatch3 Core book*)
2. Locate the GW_ATIA module icon in the Modules list. The GW_ATIA module uses this icon:

ATIA

3. Double-click the GW_ATIA icon: This will load the GW_ATIA GUI.

Adding ATIA Connections

When the GenWatch3 application is installed, no connections are created. You must create a connection to receive ATIA data. To create a new connection, follow the steps below:

1. Click the **Add** button toward the bottom left of the GUI: This will create a new connection, named something similar to 'NewConnection1' in the **Connections** list with default properties.
2. Change the properties in the *Connection Settings* and *System Information* sections.

Connection Settings

- **Connection Alias**: A name that describes this connection.
- **Source**: One of the following options:
  - o **GenGET**: Select this option to connect to a GenGET Data Reader or Data Processor
  - o **Zone Controller**: Select this option to connect directly to the Zone Controller's ATIA port.
- **Host Name / IP Address***: Host Name or IP Address of the machine running the GenGET Data Reader or Data Processor.
- **Pipe Name***: The pipe name assigned to the GenGET Data Reader or Data Processor during the GenGET setup.

The default pipe name will usually be ZoneX. Where 'X' indicates a RFSS ID set up in the GenGET setup utility. For example, a GW_ATIA connection to RFSS 1 would use a pipe name of *Zone1*. Confirm the **Host Name / IP** and **Pipe Name** values with the values configured in your GenGET setup.

- **ATIA Port****:** UDP port number of the Zone Controller's ATIA port.
- **Include Conventional Sites in Statistics?:** If checked, GenWatch3 statistics will include connection events and airtime usage sourced on ATIA conventional sites (2000-2999). If unchecked, GenWatch3 statistics will ignore events and airtime usage on ATIA conventional sites.
- **Dimetra?:** If checked, packets will be decoded as expected on a Dimetra system.
- **Start Connection:** If checked, then the GW_ATIA module will start this connection. Uncheck this option if you want to retain the settings for a connection, but do not want to receive packets from the connection. In most cases, this option should be checked.

*Only available for GenGET source connections.
**Only available for Zone Controller source connections.

Figure 1.2 – Connection settings are based on selected source.

System Information

- **WACN ID:** 5-digit hexadecimal WACN ID assigned by Motorola to your infrastructure. (These values are limited to the WACN IDs in your license.)
- **System ID**: 4-digit, hexadecimal system ID assigned by Motorola to your infrastructure. If you have a 5-digit Motorola system ID, use only the last 4 digits. (These values are limited to the systems in your license under the selected WACN ID.)
- **RFSS ID**: Decimal RFSS ID (1-64). This is the ID of the Zone controller being connected to.

Figure 1.3 – System Information