

Transmitter Types

Transmitter Types house the specific details of the different signing systems and any zone-specific event translations required.

Event Monitoring Transmitter Types

The screenshot shows the configuration page for a transmitter type in the Manitou system. The interface is divided into a left sidebar and a main content area. The sidebar lists transmitter types: Event Monitoring (expanded), DFLT - Default Transmi..., OPENEYE - OpenEye, SUREVIEW - SureView Transm..., and VIK - VertX V1000. Below the sidebar are sections for Access Control and GPS. The main content area is titled '3XLOGIC - 3xLogic (Access Control)' and is divided into 'GENERAL' and 'PROGRAMMING' tabs. The 'GENERAL' tab is active and shows the following configuration options:

- Protocol Type:** 3xLogic
- Reverse Command Protocol:** (checkbox)
- TX ID Input Mask:** A table with columns for Base, Min, Max, and Separator. Three groups are listed, all with 'Decimal' in the Base column.
- Audio Type:** Includes checkboxes for 'Audio Capable', 'Create Call Session (No Listen-In)', and 'Drop Listen-In if no alarm'. A 'Show All' link is present.
- Video Type:** Includes a checkbox for 'Video Capable'. A 'Show All' link is present.
- Options:** Includes checkboxes for 'Raw Event Programming', 'Monitored Transmission Path', 'Generate Late to Test only when Closed', and 'DNA Fusion Capable'. A 'Show All' link is present.

Event Monitoring, the process of event receipt from an external system sending events into Manitou, are the most commonly used Transmitter Types in Manitou. These allow setting the specific types to be tied to Event Monitoring transmitters within Customer systems.

Access Control Transmitter Types

The screenshot displays a configuration window for '3XLOGIC - 3xLogic (Access Control)'. The window is divided into a sidebar on the left and a main configuration area on the right. The sidebar contains a list of transmitter types: 'Event Monitoring', 'Access Control', '3XLOGIC - 3xLogic', and 'FUSION - DNA Fusion'. The main area is titled '3XLOGIC - 3xLogic (Access Control)' and includes the following sections:

- Protocol Type:** 3xLogic, Reverse Command Protocol
- TX ID Input Mask:** A table with columns 'Base', 'Min', 'Max', and 'Separator'. It contains three rows: 'Group 1 Decimal', 'Group 2 Decimal', and 'Group 3 Decimal'.
- Audio Type:** Includes checkboxes for 'Audio Capable', 'Create Call Session (No Listen-In)', and 'Drop Listen-In if no alarm'. A 'Show All' link is present.
- Video Type:** Includes a checkbox for 'Video Capable'. A 'Show All' link is present.
- Options:** Includes checkboxes for 'Raw Event Programming', 'Monitored Transmission Path', 'Generate Late to Test only when Closed', and 'DNA Fusion Capable'. A 'Show All' link is present.

Access Control Transmitter Type links to integrated Access Control systems. Commonly 3XLogic and DNA Fusion.

GPS Transmitter Types

GPS, Global Positioning System, Transmitter Types links to any integrated GPS systems. **These systems often include separate licensing for Manitou and Mapping service.**

Transmitter Type Parameters

Protocol Type
Reverse Command Protocol

TX ID Input Mask

	Base	Min	Max	Separator
Group 1	Decimal			
Group 2	Decimal			
Group 3	Decimal			

Audio Type

Audio Capable Hide All
This is inherited from the default TX type. This information is not editable on the customer record. It identifies that the TX is capable of sending audio signaling.

Create Call Session (No Listen-In) :
This flags that the call session will be created even when a listen-in is not present.

Drop Listen-In if no alarm :
If the event passing in is not an alarm event to deliver to an operator, the listen-in event will drop as it is not needed.

Video Type

Video Capable Hide All
This is inherited from the default TX type. This information is not editable. It identifies that this TX can receive video events.

Options

Raw Event Programming Hide All
This enables the ability to override the event maps and other signal processing to override specific event codes. This does restrict the behavior to the single line of programming.

Monitored Transmission Path :
This is used for UL reporting and must be enabled on UL accounts.

Generate Late to Test only when Closed :
This holds the creation of a Late to Test event ("LT") when the system is armed. Some older panels could only send the test when the system was armed, therefore it was important to not generate a Late to Test when the system was disarmed.

Web Capable :

- **Protocol Type** - Lists the "language" format the signaling panels using this Transmitter type uses. This is not required except when using reverse command protocols.
- **Reverse Command Protocol** - When required, this protocol is used to allow reverse contact to the signaling protocol.
- **Transmitter ID Input Mask** - Not required. This demonstrates the way the Transmitter IDs, also known as the Panel ID number, formats. This can be decimal (standard number), HEX (hexadecimal - which is a base-16 numbering system including digits 0-9 and the letters of A-F), and each group may have a minimum and maximum value plus any separators as required.
- **Audio Type** - Identifies if the Transmitter Type receives any audio input, what audio protocol used, is available for this Transmitter Protocol.
 - **Audio Capable** - Sets the Transmitter Type as capable of receiving Audio protocols.
 - **Create Call Session (No Listen-in)** - Notes that this Transmitter Type doesn't receive a panel/receiver generated "Listen-in" event and Manitou's Signal Handler must create a call session following the Audio protocol type.
 - **Drop Listen-in if no alarm** - Logs the Listen in as a signal to the history but doesn't create a listen-in event for non-alarming events.
- **Video Type** - Identifies if the Transmitter Type receives video input, what video protocol used, is available for this Transmitter Protocol.
 - **Video Capable** - Sets the Transmitter Type may receive and communicate with Video integrated systems
- **Options** - Determine the availability of Transmitter Type specific features.
 - **Raw Event Programming** - While turned on for data conversion to allow signaling overrides, this is NOT recommended for transmitter types. See the signaling details about how signals process into Manitou [here](#).
 - **Monitored Transmission Path** - This is required for UL monitored accounts.
 - **Generate Late to Test only when Closed** - Used only for panels used at the monitored locations that can only generate restore events when the system is armed. This is used rarely.
 - **Web Capable** - Indicates the signals produced by the panel type identified here, may send events through non-traditional receiving processes.

