

EchoLink Programmer's Reference

Introduction

The EchoLink program includes built-in support for controlling some of its functions from custom-developed external programs, such as scripts or Visual Basic programs. This support is provided in the form of a COM Automation interface.

This documentation set is a reference to the components, properties, methods, and events of EchoLink's COM interfaces.

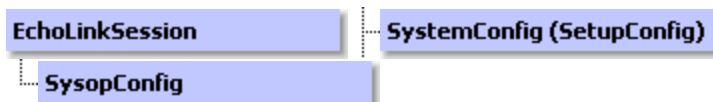
EchoLink Programmer's Reference (ver 1.7)

Version	1.8.874
Component filename	EchoLink.exe
Component GUID	{4CF5B97B-A0F5-41F3-848C-6E25FAB62AD3}

Description

EchoLink Object Library ver 1.8

Object Model



Getting Started

Installation

The COM Automation interface for EchoLink is installed automatically when version 1.7 (or above) of EchoLink is installed.

Component and Library Names

The root object is EchoLinkSession, which has a program ID (ProgID) of "EchoLink.EchoLinkSession".

If you are programming with Visual Basic, add a reference to "EchoLink Object Library ver 1.7" to your project.

Implementation

The EchoLinkSession component is implemented as an out-of-process COM server, hosted by the EchoLink program (EchoLink.exe) itself.

When your program instantiates EchoLinkSession, it will connect to the existing, running instance of EchoLink, if any. If EchoLink is not already running, instantiating EchoLinkSession will start it up automatically. It is not possible to create multiple, distinct instances of EchoLink; all references to EchoLinkSession will refer to the same running instance.

Notes

Please disable the Tip of the Day feature (in EchoLink) when using the Automation interface, as it may interfere with proper operation of the API after EchoLink starts.

CallsignList Collection



Description


CallsignList Class

Members

Methods

[Append](#) Add an item to the list

Properties

[_NewEnum](#)   property _NewEnum

[Count](#)   Number of items in the list

[Item](#)   Retrieve the value of an item

Append Method



Description

Add an item to the list

Return Type

None

Syntax

object.**Append** *sItem*

The Append Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CallsignList .
<i>sItem</i>	Required. A Variant value.

_NewEnum Property (CallsignList)



Description

property _NewEnum

Property type

An **Unknown** object.

Syntax

object.**_NewEnum**

The _NewEnum Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CallsignList .

Count Property (CallsignList)



Description

Number of items in the list

Property type

A Long value.

Syntax

object.**Count**

The Count Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CallsignList .

Item Property (CallsignList)



Description

Retrieve the value of an item

Property type

A Variant value.

Syntax

object.**Item**(*n*) [= *value*]

The Item Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CallsignList .
<i>n</i>	Required. A Long value.
<i>value</i>	A Variant value.

CommandList Collection









Description

CommandList Class

Members

Properties

- [_NewEnum](#)   property _NewEnum
- [Count](#)   Number of items in the list
- [Item](#)   Retrieve the value of an item

_NewEnum Property (CommandList)



Description

property _NewEnum

Property type

An **Unknown** object.

Syntax

object.**_NewEnum**

The _NewEnum Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CommandList .

Count Property (CommandList)



Description

Number of items in the list

Property type

A Long value.

Syntax

object.**Count**

The Count Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CommandList .

Item Property (CommandList)



Description

Retrieve the value of an item

Property type

A Variant value.

Syntax

object.**Item**(*sKey*) [= *value*]

The Item Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type CommandList .
<i>sKey</i>	Required. A String value.
<i>value</i>	A Variant value.

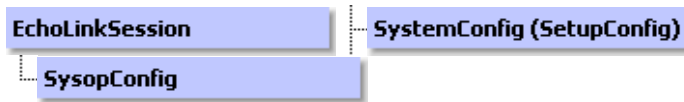
EchoLinkSession Object



Description

EchoLinkSession Class

Object Model



Members

Methods	
Connect	Connect to the specified callsign or node number. Runs asynchronously unless bWait is True.
ControlDTR	Assert or inhibit the DTR pin on the TX Control COM port.
ControlRTS	Assert or inhibit the RTS pin on the TX Control COM port.
Disconnect	Disconnect from the specified callsign.
DisconnectAll	Disconnect all stations.
EnableLink	Enable or disable the link.
InterpretDTMFString	Submit a string of DTMF digits for processing.
IsPeerConnected	Return True if the specified station is connected.
PausePlayback	Pause or un-pause any playback in progress.
PlayWAVFile	Play the specified WAV file. Return after the file finishes playing if bSync is True, otherwise return immediately.
PTTControl	Key (or un-key) the local

<u>Quit</u>	transmitter.
<u>RefreshStationList</u>	Shut down EchoLink.
<u>Reset</u>	Refresh the Station List.
<u>SayPhrase</u>	Clear all connections and apply all configuration changes.
<u>SayString</u>	Say a numbered phrase from the built-in vocabulary (0 to 17) over the local link. The method returns after the program finishes speaking.
<u>SendChatText</u>	Say a string of ASCII characters over the local link. The method returns after the program finishes speaking.
<u>SendDTMFString</u>	Send a one-line text message to the connected station(s).
<u>SendID</u>	Send a string of DTMF digits to the local transmitter.
<u>SendToneBurst</u>	Send a station ID over the RF link.
<u>Shutdown</u>	Send a tone burst over the local transmitter.
<u>StartRecordingQSO</u>	Shut down the EchoLink application.
	Begin recording the current QSO to the specified WAV file. A default filename is used if the filename argument is omitted.

[StopPlayback](#)

Stop any playback in progress.

[StopRecording](#)

Stop any recording in progress.

[SwitchProfile](#)



Reset the system and switch to a different profile.

[Transmit](#)



Begin (or end) transmitting to the connected station(s).

Properties



[ListAsBusy](#)

  True if this node is listed as Busy, and not accepting connections.



[ListenOnly](#)

  True if this node is in Listen-Only mode.



[NumPeers](#)

  The number of stations currently connected.



[PTT](#)

  True if the local transmitter is currently keyed.



[Receiving](#)

  True if audio is being received from a connected station.

[RXSignal](#)

  True if the local transmitter is receiving a signal.

[StationEntries](#)



  A collection of all items in the current Station List, which can be enumerated.





[StationEntriesXML](#)

An XML document enumerating all items in the current Station List.



[SysopConfig](#)

  Retrieve the Sysop Configuration object.



[SystemConfig](#)

  Retrieve the System Configuration object.

[Transmitting](#)

  True if audio is being sent to connected station(s).

[VOXWhilePTTEngaged](#)

  True if VOX can be triggered when PTT is active

Events

[Alarm](#)

Notifies that an Alarm has been triggered.

[CarrierDetect](#)

Notifies that an RF signal has begun or ended.

[ChatTextReceived](#)

Notifies that a Text Message has been received in the Chat window.

[Closing](#)

Notifies that EchoLink is closing down, and all references are no longer valid.

[Connected](#)

Notifies that a station has connected.

[Disconnected](#)

Notifies that a station has disconnected.

[DTMFString](#)

Notifies that a string of DTMF digits has been

received.

[LinkStatusChange](#)

Notifies that the link has been enabled or disabled.

[PTT](#)

Notifies that the RF transmitter has gone key-down or key-up.

[RX](#)

Notifies that an incoming Internet transmission has begun or ended.

[SerialStatus](#)

Notifies that a pin on the RX Control serial port has changed state.

[StationListReceived](#)

Notifies that the Station List has finished being retrieved.

[StationTextReceived](#)

Notifies that Station Text has been received in the Station Text window.

[TX](#)

Notifies that an outgoing Internet transmission has begun or ended.

Connect Method



Description

Connect to the specified callsign or node number. Runs asynchronously unless `bWait` is True.

Return Type

None

Syntax

object.**Connect** *sStation*, *bWait*

The Connect Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sStation</i>	Required. A String value.
<i>bWait</i>	Required. A Boolean value.

ControlDTR Method



Description

Assert or inhibit the DTR pin on the TX Control COM port.

Return Type

None

Syntax

object.**ControlDTR** *bAssert*

The ControlDTR Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bAssert</i>	Required. A Boolean value.

ControlRTS Method



Description

Assert or inhibit the RTS pin on the TX Control COM port.

Return Type

None

Syntax

object.**ControlRTS** *bAssert*

The ControlRTS Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bAssert</i>	Required. A Boolean value.

Disconnect Method



Description

Disconnect from the specified callsign.

Return Type

None

Syntax

object.**Disconnect** *sStation*

The Disconnect Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sStation</i>	Required. A String value.

DisconnectAll Method



Description

Disconnect all stations.

Return Type

None

Syntax

object.**DisconnectAll**

The DisconnectAll Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

EnableLink Method



Description

Enable or disable the link.

Return Type

None

Syntax

object.**EnableLink** *bEnable*

The EnableLink Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bEnable</i>	Required. A Boolean value.

🔍 InterpretDTMFString Method



Description

Submit a string of DTMF digits for processing.

Return Type

None

Syntax

object.**InterpretDTMFString** *sDigits*

The InterpretDTMFString Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sDigits</i>	Required. A String value.

IsPeerConnected Method



Description

Return True if the specified station is connected.

Return Type

A Boolean value.

Syntax

object.**IsPeerConnected** (*sStation*)

The IsPeerConnected Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sStation</i>	Required. A String value.

PausePlayback Method



Description

Pause or un-pause any playback in progress.

Return Type

None

Syntax

object.**PausePlayback** *bPause*

The PausePlayback Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bPause</i>	Required. A Boolean value.

PlayWAVFile Method



Description

Play the specified WAV file. Return after the file finishes playing if `bSync` is `True`, otherwise return immediately.

Return Type

None

Syntax

object.**PlayWAVFile** *sFilename*, *bSync*

The PlayWAVFile Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sFilename</i>	Required. A String value.
<i>bSync</i>	Required. A Boolean value.

PTTControl Method



Description

Key (or un-key) the local transmitter.

Return Type

None

Syntax

object.**PTTControl** *bPTT*

The PTTControl Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bPTT</i>	Required. A Boolean value.

Quit Method



Description

Shut down EchoLink.

Return Type

None

Syntax

object.**Quit**

The Quit Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

RefreshStationList Method



Description

Refresh the Station List.

Return Type

None

Syntax

object.**RefreshStationList** *bWait*

The RefreshStationList Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bWait</i>	Required. A Boolean value.

Reset Method



Description

Clear all connections and apply all configuration changes.

Return Type

None

Syntax

object.**Reset**

The Reset Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

SayPhrase Method



Description

Say a numbered phrase from the built-in vocabulary (0 to 17) over the local link. The method returns after the program finishes speaking.

Return Type

None

Syntax

object.**SayPhrase** *nPhrase*

The SayPhrase Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>nPhrase</i>	Required. A Long value.

SayString Method



Description

Say a string of ASCII characters over the local link. The method returns after the program finishes speaking.

Return Type

None

Syntax

object.**SayString** *sString*

The SayString Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sString</i>	Required. A String value.

SendChatText Method



Description

Send a one-line text message to the connected station(s).

Return Type

None

Syntax

object.**SendChatText** *sText*

The SendChatText Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sText</i>	Required. A String value.

SendDTMFString Method



Description

Send a string of DTMF digits to the local transmitter.

Return Type

None

Syntax

object.**SendDTMFString** *sDigits*

The SendDTMFString Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sDigits</i>	Required. A String value.

SendID Method



Description

Send a station ID over the RF link.

Return Type

None

Syntax

object.**SendID** *eType*, [*vID*]

The SendID Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>eType</i>	Required. An eIIDType enumeration, as described in settings.
<i>vID</i>	Optional. A Variant value.

Settings

The settings for *eType* are:

Constant	Value	Description
idDefault	0	
idMorse	1	
idSpoken	2	
idWave	3	

SendToneBurst Method



Description

Send a tone burst over the local transmitter.

Return Type

None

Syntax

object.**SendToneBurst** *nFrequency*, *nDuration*

The SendToneBurst Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>nFrequency</i>	Required. An Integer value.
<i>nDuration</i>	Required. An Integer value.

Shutdown Method



Description

Shut down the EchoLink application.

Return Type

None

Syntax

object.**Shutdown**

The Shutdown Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

StartRecordingQSO Method



Description

Begin recording the current QSO to the specified WAV file. A default filename is used if the filename argument is omitted.

Return Type

None

Syntax

object.**StartRecordingQSO** [*vFilename*]

The StartRecordingQSO Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>vFilename</i>	Optional. A Variant value.

StopPlayback Method



Description

Stop any playback in progress.

Return Type

None

Syntax

object.**StopPlayback**

The StopPlayback Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

StopRecording Method



Description

Stop any recording in progress.

Return Type

None

Syntax

object.**StopRecording**

The StopRecording Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

SwitchProfile Method



Description

Reset the system and switch to a different profile.

Return Type

None

Syntax

object.**SwitchProfile** *sNewProfile*

The SwitchProfile Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>sNewProfile</i>	Required. A String value.

Transmit Method



Description

Begin (or end) transmitting to the connected station(s).

Return Type

None

Syntax

object.**Transmit** *bTX*

The Transmit Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>bTX</i>	Required. A Boolean value.

ListAsBusy Property



Description

True if this node is listed as Busy, and not accepting connections.

Property type

A Boolean value.

Syntax

object.**ListAsBusy** [= *value*]

The ListAsBusy Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>value</i>	A Boolean value.

ListenOnly Property



Description

True if this node is in Listen-Only mode.

Property type

A Boolean value.

Syntax

object.**ListenOnly** [= *value*]

The ListenOnly Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>value</i>	A Boolean value.

NumPeers Property



Description

The number of stations currently connected.

Property type

A Long value.

Syntax

object.**NumPeers**

The NumPeers Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

PTT Property



Description

True if the local transmitter is currently keyed.

Property type

A Boolean value.

Syntax

object.**PTT**

The PTT Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

Receiving Property



Description

True if audio is being received from a connected station.

Property type

A Boolean value.

Syntax

object.**Receiving**

The Receiving Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

RXSignal Property



Description

True if the local transmitter is receiving a signal.

Property type

A Boolean value.

Syntax

object.**RXSignal**

The RXSignal Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

StationEntries Property



Description

A collection of all items in the current Station List, which can be enumerated.

Property type

An **Object** object.

Syntax

object.**StationEntries**

The StationEntries Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

StationEntriesXML Property



Description

An XML document enumerating all items in the current Station List.

Property type

A String value.

Syntax

object.**StationEntriesXML**

The StationEntriesXML Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

SysopConfig Property



Description

Retrieve the Sysop Configuration object.

Property type

A [SysopConfig](#) object.

Syntax

object.**SysopConfig**

The SysopConfig Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

SystemConfig Property



Description

Retrieve the System Configuration object.

Property type

A [SetupConfig](#) object.

Syntax

object.**SystemConfig**

The SystemConfig Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

Transmitting Property



Description

True if audio is being sent to connected station(s).

Property type

A Boolean value.

Syntax

object.**Transmitting**

The Transmitting Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .

VOXWhilePTTEngaged Property



Description

True if VOX can be triggered when PTT is active

Property type

None. Property is write only.

Syntax

object.VOXWhilePTTEngaged = *value*

The VOXWhilePTTEngaged Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type EchoLinkSession .
<i>value</i>	A Boolean value.

Alarm Event



Description

Notifies that an Alarm has been triggered.

Syntax

Private Sub *object_Alarm*(*sStation*, *nStatus*)

The Alarm Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sStation</i>	A String value.
<i>nStatus</i>	An Integer value.

CarrierDetect Event



Description

Notifies that an RF signal has begun or ended.

Syntax

Private Sub *object*_**CarrierDetect**(*bCD*)

The CarrierDetect Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>bCD</i>	A Boolean value.

ChatTextReceived Event



Description

Notifies that a Text Message has been received in the Chat window.

Syntax

Private Sub *object*_ChatTextReceived(*sText*)

The ChatTextReceived Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sText</i>	A String value.

Closing Event



Description

Notifies that EchoLink is closing down, and all references are no longer valid.

Syntax

Private Sub *object_Closing()*

The Closing Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.

Connected Event



Description

Notifies that a station has connected.

Syntax

Private Sub *object_Connected*(*sCall*, *sName*, *sAddr*)

The Connected Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sCall</i>	A String value.
<i>sName</i>	A String value.
<i>sAddr</i>	A String value.

Disconnected Event



Description

Notifies that a station has disconnected.

Syntax

Private Sub *object_Disconnected*(*sCall*)

The Disconnected Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sCall</i>	A String value.

DTMFString Event



Description

Notifies that a string of DTMF digits has been received.

Syntax

Private Sub *object*_**DTMFString**(*sDigits*)

The DTMFString Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sDigits</i>	A String value.

LinkStatusChange Event



Description

Notifies that the link has been enabled or disabled.

Syntax

Private Sub *object*_LinkStatusChange(*bEnabled*)

The LinkStatusChange Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>bEnabled</i>	A Boolean value.

PTT Event



Description

Notifies that the RF transmitter has gone key-down or key-up.

Syntax

Private Sub *object_PTT*(*bPTT*)

The PTT Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>bPTT</i>	A Boolean value.

RX Event



Description

Notifies that an incoming Internet transmission has begun or ended.

Syntax

Private Sub *object_RX*(*bRX*)

The RX Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>bRX</i>	A Boolean value.

SerialStatus Event



Description

Notifies that a pin on the RX Control serial port has changed state.

Syntax

Private Sub *object***_SerialStatus**(*nEvent*, *nStatus*)

The SerialStatus Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object. A Long value.
<i>nEvent</i>	Contains any combination of one or more of the following bit values: &h0008 (EV_CTS): The CTS (clear-to-send) signal changed state. &h0010 (EV_DSR): The DSR (data-set-ready) signal changed state. &h0020 (EV_RLSD): The RLSD (receive-line-signal-detect, also known as CD or carrier-detect) signal changed state.
<i>nStatus</i>	A Long value. Indicates the current status of the RS-232 signals, with a bit 1 indicating on (or

asserted), and bit 0 indicating off (or inhibited).

The bit fields are defined as follows:

Value	Meaning
&h0010	The CTS (clear-to-send) signal is on.
&h0020	The DSR (data-set-ready) signal is on.
&h0080	The RLSD (receive-line-signal-detect) signal is on.

StationListReceived Event



Description

Notifies that the Station List has finished being retrieved.

Syntax

Private Sub *object*_**StationListReceived()**

The StationListReceived Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.

StationTextReceived Event



Description

Notifies that Station Text has been received in the Station Text window.

Syntax

Private Sub *object*_**StationTextReceived**(*sText*)

The StationTextReceived Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>sText</i>	A String value.

TX Event



Description

Notifies that an outgoing Internet transmission has begun or ended.

Syntax

Private Sub *object_TX*(*bTX*)

The TX Event syntax has these parts:

Part	Description
<i>object</i>	An EchoLinkSession object.
<i>bTX</i>	A Boolean value.

Enumerations Object



Members

IStationEntries Collection










Description

IStationEntries Interface

Object Model



Members

 Properties	
_NewEnum	  property _NewEnum
Count	  Number of items in the list
Item	  Retrieve the value of an item

_NewEnum Property (IStationEntries)



Description

property _NewEnum

Property type

An **Unknown** object.

Syntax

object.**_NewEnum**

The _NewEnum Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntries .

Count Property (IStationEntries)



Description

Number of items in the list

Property type

A Long value.

Syntax

object.**Count**

The Count Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntries .

Item Property (IStationEntries)



Description

Retrieve the value of an item

Property type

An [IStationEntry](#) object.

Syntax

object.**Item**(*n*)

The Item Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntries .
<i>n</i>	Required. A Long value.












IStationEntry Object



Description

IStationEntry Interface

Members

 Properties	
Callsign	  Callsign under which this station is logged in
LocalTime	  Local time, as reported by station's own PC clock
Location	  Location or description of node
NodeNumber	  Node number (for DTMF access)
Status	  Status (ON or BUSY)

Callsign Property (IStationEntry)



Description

Callsign under which this station is logged in

Property type

A String value.

Syntax

object.**Callsign**

The Callsign Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntry .

LocalTime Property



Description

Local time, as reported by station's own PC clock

Property type

A String value.

Syntax

object.**LocalTime**

The LocalTime Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntry .

Location Property (IStationEntry)



Description

Location or description of node

Property type

A String value.

Syntax

object.**Location**

The Location Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntry .

NodeNumber Property



Description

Node number (for DTMF access)

Property type

A Long value.

Syntax

object.**NodeNumber**

The NodeNumber Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntry .

Status Property



Description

Status (ON or BUSY)

Property type

A String value.

Syntax

object.**Status**

The Status Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type IStationEntry .

SetupConfig Object



Description





























SetupConfig Class

Members

Methods

Apply any changes to the properties of [Apply](#) this object. If necessary, the EchoLink software is re-set.

Properties

AlarmList	  List of callsigns on which to sound an alarm
AudioForceFullDuplex	  Open the sound card for play and record simultaneously
AudioHighPassFilter	  Cut outgoing audio below 300 Hz
AudioInputDevice	  Sound card for outgoing audio
AudioNetworkBuffers	  Number of buffers to use for incoming packets
AudioOutputDevice	  Sound card for incoming audio
AudioPCBuffers	  Number of buffers to use for playback
AudioRecordingMode	  Mode in which to record incoming audio
AudioSampleRateCompensate	  Add or delete packets to compensate for sample-rate differences
AutoUpdate	  Update the Station List automatically
Callsign	  Callsign under which EchoLink is operating
Dialup	  Dial the Internet connection at startup
DialupAutoDisconnect	  Disconnect the dial-up connection on exit
DialupPhonebookEntry	  Name of the phonebook entry to autodial

[DoublingAlert](#)

[Email](#)

[FavoritesList](#)

[Location](#)

[LocationBusy](#)

[LocationFree](#)

[MaxPeers](#)

[Mode](#)

[Name](#)

[Password](#)

[ReceiveHangTime](#)

[SecurityAllowMultiConferencing](#)

[SecurityCallsignList](#)

[SecurityCallsignsDeny](#)

[SecurityConferences](#)









































[SecurityDynamicConferenceDetect](#)

[SecurityInbound](#)

[SecurityLinks](#)

[SecurityOutbound](#)

[SecurityRepeaters](#)

-   Display an alert message when doubling
-   Operator's e-mail address
-   List of callsigns in Favorites List
-   Station location or description
-   Location or description to show when busy
-   Location or description to show when NOT busy
-   Maximum number of stations which can connect at the same time
-   Operating mode
-   Operator's first name
-   Login password
-   Time to remain in receive mode (ms) after last packet
-   Allow this conference to connect with another conference
-   List of callsigns to accept or deny
-   True to deny access to the listed callsigns, False to exclusively allow them
-   Allow connections with conferences
-   Disconnect a station if it becomes a conference
-   Apply security settings to inbound connect attempts
-   Allow connections with -L stations
-   Apply security settings to outbound connect attempts
-   Allow connections with -R

[SecurityUsers](#)

[Server](#)

[ServerRetryTimeout](#)

[ShowConferenceStatus](#)

[ShowConnectedConference](#)

[SignalAlarm](#)

[SignalConnected](#)

[SignalDisconnected](#)

[SignalOver](#)

[SignalTextMessage](#)

[StationInformationFile](#)

[TimeoutConnectAttempt](#)

[TimeoutInactivity](#)



































[TimeoutReceiveLimit](#)

[TimeoutTransmitLimit](#)

[UpdateInQSO](#)

[UpdateLocationWithConfName](#)

stations

-   Allow connections with single-user stations
-   Hostname of addressing server (1 to 5)
-   Time (secs) between login attempts
-   Display the list of conferees to all conferences
-   ShowConnectedConference
-   Name of WAV file to play when an alarm is sounded
-   Name of WAV file to play when a connection begins
-   Name of WAV file to play when a connection ends
-   Name of WAV file to play when transmission ends
-   Name of WAV file to play when Chat text is received
-   Name of text file to display to connectees
-   Time to wait (secs) when trying to connect
-   Time to wait (secs) before disconnecting a dead connection
-   Maximum duration (secs) for an inbound transmission
-   Maximum duration (secs) for an outbound transmission
-   Update the Station List automatically during a QSO
-   Include name of connected conference in Location comment

Apply Method (SetupConfig)



Description

Apply any changes to the properties of this object. If necessary, the EchoLink software is re-set.

Return Type

None

Syntax

object.**Apply** *bSave*

The Apply Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>bSave</i>	Required. A Boolean value.

AlarmList Property



Description

List of callsigns on which to sound an alarm

Property type

An **Object** object.

Syntax

[Set] *object*.**AlarmList** [= *Object*]

The AlarmList Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>Object</i>	An Object object.

AudioForceFullDuplex Property



Description

Open the sound card for play and record simultaneously

Property type

A Boolean value.

Syntax

object.**AudioForceFullDuplex** [= *value*]

The AudioForceFullDuplex Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

AudioHighPassFilter Property



Description

Cut outgoing audio below 300 Hz

Property type

A Boolean value.

Syntax

object.**AudioHighPassFilter** [= *value*]

The AudioHighPassFilter Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

AudiInputDevice Property



Description

Sound card for outgoing audio

Property type

A String value.

Syntax

object.**AudiInputDevice** [= *value*]

The AudiInputDevice Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

AudioNetworkBuffers Property



Description

Number of buffers to use for incoming packets

Property type

An Integer value.

Syntax

object.**AudioNetworkBuffers** [= *value*]

The AudioNetworkBuffers Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

AudioOutputDevice Property



Description

Sound card for incoming audio

Property type

A String value.

Syntax

object.**AudioOutputDevice** [= *value*]

The AudioOutputDevice Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

AudioPCBuffers Property



Description

Number of buffers to use for playback

Property type

An Integer value.

Syntax

object.**AudioPCBuffers** [= *value*]

The AudioPCBuffers Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

AudioRecordingMode Property



Description

Mode in which to record incoming audio

Property type

An [elRecordingMode](#) enumeration.

Syntax

object.**AudioRecordingMode** [= *value*]

The AudioRecordingMode Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An elRecordingMode enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
recNone	0	
recCallsign	1	
recQSO	2	

AudioSampleRateCompensate Property



Description

Add or delete packets to compensate for sample-rate differences

Property type

A Boolean value.

Syntax

object.**AudioSampleRateCompensate** [= *value*]

The AudioSampleRateCompensate Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

AutoUpdate Property



Description

Update the Station List automatically

Property type

A Boolean value.

Syntax

object.**AutoUpdate** [= *value*]

The AutoUpdate Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

Callsign Property (SetupConfig)



Description

Callsign under which EchoLink is operating

Property type

A String value.

Syntax

object.**Callsign** [= *value*]

The Callsign Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

Dialup Property



Description

Dial the Internet connection at startup

Property type

A Boolean value.

Syntax

object.**Dialup** [= *value*]

The Dialup Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

DialupAutoDisconnect Property



Description

Disconnect the dial-up connection on exit

Property type

A Boolean value.

Syntax

object.**DialupAutoDisconnect** [= *value*]

The DialupAutoDisconnect Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

DialupPhonebookEntry Property



Description

Name of the phonebook entry to autodial

Property type

A String value.

Syntax

object.**DialupPhonebookEntry** [= *value*]

The DialupPhonebookEntry Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

DoublingAlert Property



Description

Display an alert message when doubling

Property type

A Boolean value.

Syntax

object.**DoublingAlert** [= *value*]

The DoublingAlert Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

Email Property



Description

Operator's e-mail address

Property type

A String value.

Syntax

object.**Email** [= *value*]

The Email Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

FavoritesList Property



Description

List of callsigns in Favorites List

Property type

An **Object** object.

Syntax

[Set] *object.FavoritesList* [= *Object*]

The FavoritesList Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>Object</i>	An Object object.



Description

Station location or description

Property type

A String value.

Syntax

object.**Location** [= *value*]

The Location Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

LocationBusy Property



Description

Location or description to show when busy

Property type

A String value.

Syntax

object.**LocationBusy** [= *value*]

The LocationBusy Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

LocationFree Property



Description

Location or description to show when NOT busy

Property type

A String value.

Syntax

object.**LocationFree** [= *value*]

The LocationFree Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

MaxPeers Property



Description

Maximum number of stations which can connect at the same time

Property type

An Integer value.

Syntax

object.**MaxPeers** [= *value*]

The MaxPeers Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

Mode Property



Description

Operating mode

Property type

An [elOperatingMode](#) enumeration.

Syntax

object.**Mode** [= *value*]

The Mode Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An elOperatingMode enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
<input type="checkbox"/> opModeSingleUser	0	
<input type="checkbox"/> opModeSysop	1	

Name Property



Description

Operator's first name

Property type

A String value.

Syntax

object.**Name** [= *value*]

The Name Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

Password Property



Description

Login password

Property type

A String value.

Syntax

object.**Password** [= *value*]

The Password Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

ReceiveHangTime Property



Description

Time to remain in receive mode (ms) after last packet

Property type

An Integer value.

Syntax

object.**ReceiveHangTime** [= *value*]

The ReceiveHangTime Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

SecurityAllowMultiConferencing Property



Description

Allow this conference to connect with another conference

Property type

A Boolean value.

Syntax

object.**SecurityAllowMultiConferencing** [= *value*]

The SecurityAllowMultiConferencing Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityCallsignList Property



Description

List of callsigns to accept or deny

Property type

An **Object** object.

Syntax

[Set] *object*.**SecurityCallsignList** [= *Object*]

The SecurityCallsignList Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>Object</i>	An Object object.

SecurityCallsignsDeny Property



Description

True to deny access to the listed callsigns, False to exclusively allow them

Property type

A Boolean value.

Syntax

object.**SecurityCallsignsDeny** [= *value*]

The SecurityCallsignsDeny Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityConferences Property



Description

Allow connections with conferences

Property type

A Boolean value.

Syntax

object.**SecurityConferences** [= *value*]

The SecurityConferences Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.



Description

Disconnect a station if it becomes a conference

Property type

A Boolean value.

Syntax

object.**SecurityDynamicConferenceDetect** [= *value*]

The SecurityDynamicConferenceDetect Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityInbound Property



Description

Apply security settings to inbound connect attempts

Property type

A Boolean value.

Syntax

object.**SecurityInbound** [= *value*]

The SecurityInbound Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityLinks Property



Description

Allow connections with -L stations

Property type

A Boolean value.

Syntax

object.**SecurityLinks** [= *value*]

The SecurityLinks Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityOutbound Property



Description

Apply security settings to outbound connect attempts

Property type

A Boolean value.

Syntax

object.**SecurityOutbound** [= *value*]

The SecurityOutbound Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityRepeaters Property



Description

Allow connections with -R stations

Property type

A Boolean value.

Syntax

object.**SecurityRepeaters** [= *value*]

The SecurityRepeaters Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SecurityUsers Property



Description

Allow connections with single-user stations

Property type

A Boolean value.

Syntax

object.**SecurityUsers** [= *value*]

The SecurityUsers Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

Server Property



Description

Hostname of addressing server (1 to 5)

Property type

A String value.

Syntax

object.**Server**(*nIndex*) [= *value*]

The Server Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>nIndex</i>	Required. An Integer value.
<i>value</i>	A String value.

ServerRetryTimeout Property



Description

Time (secs) between login attempts

Property type

An Integer value.

Syntax

object.**ServerRetryTimeout** [= *value*]

The ServerRetryTimeout Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

ShowConferenceStatus Property



Description

Display the list of conferences to all conferences

Property type

A Boolean value.

Syntax

object.**ShowConferenceStatus** [= *value*]

The ShowConferenceStatus Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

ShowConnectedConference Property



Description

ShowConnectedConference

Property type

A Boolean value.

Syntax

object.**ShowConnectedConference** [= *value*]

The ShowConnectedConference Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SignalAlarm Property



Description

Name of WAV file to play when an alarm is sounded

Property type

A String value.

Syntax

object.**SignalAlarm** [= *value*]

The SignalAlarm Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

SignalConnected Property



Description

Name of WAV file to play when a connection begins

Property type

A String value.

Syntax

object.**SignalConnected** [= *value*]

The SignalConnected Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

SignalDisconnected Property



Description

Name of WAV file to play when a connection ends

Property type

A String value.

Syntax

object.**SignalDisconnected** [= *value*]

The SignalDisconnected Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

SignalOver Property



Description

Name of WAV file to play when transmission ends

Property type

A String value.

Syntax

object.**SignalOver** [= *value*]

The SignalOver Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

SignalTextMessage Property



Description

Name of WAV file to play when Chat text is received

Property type

A String value.

Syntax

object.**SignalTextMessage** [= *value*]

The SignalTextMessage Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

StationInformationFile Property



Description

Name of text file to display to connectees

Property type

A String value.

Syntax

object.**StationInformationFile** [= *value*]

The StationInformationFile Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A String value.

TimeoutConnectAttempt Property



Description

Time to wait (secs) when trying to connect

Property type

An Integer value.

Syntax

object.**TimeoutConnectAttempt** [= *value*]

The TimeoutConnectAttempt Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.



TimeoutInactivity Property



Description

Time to wait (secs) before disconnecting a dead connection

Property type

An Integer value.

Syntax

object.**TimeoutInactivity** [= *value*]

The TimeoutInactivity Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

TimeoutReceiveLimit Property



Description

Maximum duration (secs) for an inbound transmission

Property type

An Integer value.

Syntax

object.**TimeoutReceiveLimit** [= *value*]

The TimeoutReceiveLimit Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

TimeoutTransmitLimit Property



Description

Maximum duration (secs) for an outbound transmission

Property type

An Integer value.

Syntax

object.**TimeoutTransmitLimit** [= *value*]

The TimeoutTransmitLimit Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	An Integer value.

UpdateInQSO Property



Description

Update the Station List automatically during a QSO

Property type

A Boolean value.

Syntax

object.**UpdateInQSO** [= *value*]

The UpdateInQSO Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

UpdateLocationWithConfName Property



Description

Include name of connected conference in Location comment

Property type

A Boolean value.

Syntax

object.**UpdateLocationWithConfName** [= *value*]

The UpdateLocationWithConfName Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SetupConfig .
<i>value</i>	A Boolean value.

SysopConfig Object



Description















SysopConfig Class

Members

Methods



Apply any changes to the properties of [Apply](#) this object. If necessary, the EchoLink software is re-set.

Properties

- | | |
|----------------------------------|---|
| DTMFCommands |   List of DTMF sequences for different EchoLink functions |
| DTMFDecoder |   Type of DTMF decoding to use (internal, external, or none) |
| DTMFDisableOnPTT |   True to disable the DTMF decoder when the local transmitter is key-down |
| DTMFFineTuning |   Frequency adjustment (in percent) for internal DTMF decoder |
| DTMFInterdigit |   Minimum time (in ms) to require between valid DTMF digits |
| DTMFLogging |   True to log all detected DTMF digits to System Log file |
| DTFMute |   True to mute detected DTMF signals in the audio |

[DTMFRemotePad](#)



signal to remote stations

  True to enable the EchoLink DTMF encoder pad for remote stations when they connect



[DTMFShortcuts](#)

  List of DTMF sequences for connecting to specific stations



[DTMFSN](#)

  Acceptable signal-to-noise ratio (in dB) for DTMF decoder (internal DTMF only)



[DTMFTolerance](#)

  Frequency tolerance (in percent) for DTMF tone detector (internal DTMF only)



[DTMFTwist](#)

  Acceptable power difference (in dB) between high and low DTMF tones (internal DTMF only)



[PTTActivation](#)

  Method EchoLink uses to key the local transmitter



[PTTPassThrough](#)

























  True if PTT should be keyed when space bar is pressed

[RXAntiThump](#)

  Delay (after key-up) during which VOX or COS will not trigger, in milliseconds

[RXCarrierDetect](#)

  Method of detecting

<u>RXCOMPort</u>	  an incoming RF signal COM port number (1-8) to use for COS detection
<u>RXInvert</u>	  True to detect COS when voltage is low, False to detect COS when voltage is high
<u>RXVOXAntiTripMute</u>	  property RXVOXAntiTripMute
<u>RXVOXAntiTripTiming</u>	  Time constant for noise bursts to be ignored by VOX
<u>RXVOXDelay</u>	  Time to remain in TX after VOX (or COS) releases
<u>RXVOXNotchFreq</u>	  Not currently implemented
<u>RXVOXThreshold</u>	  Audio level at which VOX is triggered, in percent
<u>ToneBurstDuration</u>	  Duration (in ms) of tone-burst signal
<u>ToneBurstFrequency</u>	  Frequency (in Hz) of tone-burst signal
<u>ToneBurstMode</u>	  Method by which tone burst is sent to local transmitter
<u>TXCOM9600</u>	  True if serial interface runs at 9600 bps, otherwise False
<u>TXCOMPort</u>	  COM port number (1-8) to use for PTT control

Apply Method (SysopConfig)



Description

Apply any changes to the properties of this object. If necessary, the EchoLink software is re-set.

Return Type

None

Syntax

object.**Apply** *bSave*

The Apply Method syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>bSave</i>	Required. A Boolean value.

DTMFCommands Property



Description

List of DTMF sequences for different EchoLink functions

Property type

An **Object** object.

Syntax

object.**DTMFCommands**

The DTMFCommands Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .



Description

Type of DTMF decoding to use (internal, external, or none)

Property type

An [eIDTMFSource](#) enumeration.

Syntax

object.**DTMFDecoder** [= *value*]

The DTMFDecoder Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An eIDTMFSource enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
 dtmfExternal	0	
 dtmfInternal	1	
 dtmfDisabled	2	



Description

True to disable the DTMF decoder when the local transmitter is key-down

Property type

A Boolean value.

Syntax

object.**DTMFDisableOnPTT** [= *value*]

The DTMFDisableOnPTT Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

DTMFFineTuning Property



Description

Frequency adjustment (in percent) for internal DTMF decoder

Property type

A Single value.

Syntax

object.**DTMFFineTuning** [= *value*]

The DTMFFineTuning Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Single value.

DTMFInterdigit Property



Description

Minimum time (in ms) to require between valid DTMF digits

Property type

An Integer value.

Syntax

object.**DTMFInterdigit** [= *value*]

The DTMFInterdigit Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

DTMFLogging Property



Description

True to log all detected DTMF digits to System Log file

Property type

A Boolean value.

Syntax

object.**DTMFLogging** [= *value*]

The DTMFLogging Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

DTMFMute Property



Description

True to mute detected DTMF signals in the audio signal to remote stations

Property type

A Boolean value.

Syntax

object.**DTMFMute** [= *value*]

The DTMFMute Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

DTMFRemotePad Property



Description

True to enable the EchoLink DTMF encoder pad for remote stations when they connect

Property type

A Boolean value.

Syntax

object.**DTMFRemotePad** [= *value*]

The DTMFRemotePad Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

DTMFShortcuts Property



Description

List of DTMF sequences for connecting to specific stations

Property type

An **Object** object.

Syntax

object.**DTMFShortcuts**

The DTMFShortcuts Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .

DTMFSN Property



Description

Acceptable signal-to-noise ratio (in dB) for DTMF decoder (internal DTMF only)

Property type

A Single value.

Syntax

object.**DTMFSN** [= *value*]

The DTMFSN Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Single value.



Description

Frequency tolerance (in percent) for DTMF tone detector (internal DTMF only)

Property type

A Single value.

Syntax

object.**DTMFTolerance** [= *value*]

The DTMFTolerance Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Single value.

DTMFTwist Property



Description

Acceptable power difference (in dB) between high and low DTMF tones (internal DTMF only)

Property type

A Single value.

Syntax

object.**DTMFTwist** [= *value*]

The DTMFTwist Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Single value.

PTTActivation Property



Description

Method EchoLink uses to key the local transmitter

Property type

An [eITXControl](#) enumeration.

Syntax

object.**PTTActivation** [= *value*]

The PTTActivation Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An eITXControl enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
txVOX	0	
txASCII	1	
txRTS	2	
txDSR	3	

PTTPassThrough Property



Description

True if PTT should be keyed when space bar is pressed

Property type

A Boolean value.

Syntax

object.**PTTPassThrough** [= *value*]

The PTTPassThrough Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

RXAntiThump Property



Description

Delay (after key-up) during which VOX or COS will not trigger, in milleseconds

Property type

An Integer value.

Syntax

object.**RXAntiThump** [= *value*]

The RXAntiThump Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

RXCarrierDetect Property



Description

Method of detecting an incoming RF signal

Property type

An [elCarrierDetect](#) enumeration.

Syntax

object.**RXCarrierDetect** [= *value*]

The RXCarrierDetect Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An elCarrierDetect enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
<input type="checkbox"/> cdManual	0	
<input type="checkbox"/> cdVOX	1	
<input type="checkbox"/> cdCD	2	
<input type="checkbox"/> cdCTS	3	
<input type="checkbox"/> cdDSR	4	

RXCOMPort Property



Description

COM port number (1-8) to use for COS detection

Property type

An Integer value.

Syntax

object.**RXCOMPort** [= *value*]

The RXCOMPort Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

RXInvert Property



Description

True to detect COS when voltage is low, False to detect COS when voltage is high

Property type

A Boolean value.

Syntax

object.**RXInvert** [= *value*]

The RXInvert Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

RXVOXAntiTripMute Property



Description

property RXVOXAntiTripMute

Property type

A Boolean value.

Syntax

object.**RXVOXAntiTripMute** [= *value*]

The RXVOXAntiTripMute Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

RXVOXAntiTripTiming Property



Description

Time constant for noise bursts to be ignored by VOX

Property type

An Integer value.

Syntax

object.**RXVOXAntiTripTiming** [= *value*]

The RXVOXAntiTripTiming Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

RXVOXDelay Property



Description

Time to remain in TX after VOX (or COS) releases

Property type

An Integer value.

Syntax

object.**RXVOXDelay** [= *value*]

The RXVOXDelay Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

RXVOXNotchFreq Property



Description

Not currently implemented

Property type

An Integer value.

Syntax

object.**RXVOXNotchFreq** [= *value*]

The RXVOXNotchFreq Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

RXVOXThreshold Property



Description

Audio level at which VOX is triggered, in percent

Property type

An Integer value.

Syntax

object.**RXVOXThreshold** [= *value*]

The RXVOXThreshold Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

ToneBurstDuration Property



Description

Duration (in ms) of tone-burst signal

Property type

An Integer value.

Syntax

object.**ToneBurstDuration** [= *value*]

The ToneBurstDuration Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

ToneBurstFrequency Property



Description

Frequency (in Hz) of tone-burst signal

Property type

An Integer value.

Syntax

object.**ToneBurstFrequency** [= *value*]

The ToneBurstFrequency Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.



Description

Method by which tone burst is sent to local transmitter

Property type

An [elToneBurstMode](#) enumeration.

Syntax

object.**ToneBurstMode** [= *value*]

The ToneBurstMode Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An elToneBurstMode enumeration, as described in settings.

Settings

The settings for *value* are:

Constant	Value	Description
tbNone	0	
tbOnConnect	1	
tbOnTX	2	

TXCOM9600 Property



Description

True if serial interface runs at 9600 bps, otherwise False

Property type

A Boolean value.

Syntax

object.**TXCOM9600** [= *value*]

The TXCOM9600 Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	A Boolean value.

TXCOMPort Property



Description

COM port number (1-8) to use for PTT control

Property type

An Integer value.

Syntax

object.**TXCOMPort** [= *value*]





The TXCOMPort Property syntax has these parts:

Part	Description
<i>object</i>	An expression evaluating to an object of type SysopConfig .
<i>value</i>	An Integer value.

elCarrierDetect Enumeration





Members

Constant	Value	Description
 cdManual	0	
 cdVOX	1	
 cdCD	2	
 cdCTS	3	
 cdDSR	4	

eIDTMFSource Enumeration







Members

Constant	Value	Description
 dtmfExternal	0	
 dtmfInternal	1	
 dtmfDisabled	2	

eIIDType Enumeration




Members

Constant	Value	Description
 idDefault	0	
 idMorse	1	
 idSpoken	2	
 idWave	3	

elOperatingMode Enumeration



Members

Constant	Value	Description
 opModeSingleUser	0	
 opModeSysop	1	

eIRecordingMode Enumeration






Members

Constant	Value	Description
 recNone	0	
 recCallsign	1	
 recQSO	2	

eIToneBurstMode Enumeration







Members

Constant	Value	Description
 tbNone	0	
 tbOnConnect	1	
 tbOnTX	2	

eTXControl Enumeration



Members

Constant	Value	Description
 txVOX	0	
 txASCII	1	
 txRTS	2	
 txDSR	3	