



IRC-E and IRC-N Closed Caption and Assisted Listening Emitter Firmware Release Notes

This document applies to the following products:

MiT Part Number	Description	Territory
A000901-002	IRC-E emitter with LAN and closed captions	North America
A000901-003	IRC-N emitter with LAN and closed captions (narrow beam)	
A000901-012	IRC-E emitter with LAN and closed captions	European Union
A000901-013	IRC-N emitter with LAN and closed captions (narrow beam)	
A000901-022	IRC-E emitter with LAN and closed captions	Australasia
A000901-023	IRC-N emitter with LAN and closed captions (narrow beam)	
A000901-102	IRC-E emitter with LAN and closed captions Formerly IRC-28C	Supplied without accessories
A000901-103	IRC-N emitter with LAN and closed captions (narrow beam) Formerly IRC-28C-N	

The IRC-B model is only an assisted listening emitter with no closed caption functionality, and does not contain field-updateable firmware.

The most recent firmware version is available on our website at <https://www.movingimagedtech.com/mit-products/mit-ada-accessibility>. Please email service@movingimagedtech.com if you need an older version.

Note on FD (full duplex) and HD (half duplex)

The network interface controller (NIC) on the IRC runs at 10 MBPS, and is capable of full duplex communication. However, it cannot automatically negotiate the duplex mode with the device to which it is connected. Therefore, MiT issues two versions of each firmware release, with the suffix -FD or -HD. The two versions are identical, apart from that the -FD file configures the NIC into full duplex mode, and the -HD file to half duplex.

Most network switches will detect automatically that the IRC is capable of full duplex communication when running a -FD firmware. A few, however, cannot. To determine which version you need, proceed as follows.

Install the full duplex version of the firmware release you wish to use. Can you load the IRC's web UI after it reboots?

- If you can, do nothing further. You can continue to use the -FD version.

- If you cannot and the switch to which the IRC is connected is a managed switch, change the speed and duplex option for the port to which the IRC is connected from auto detect to forced to 10 MBPS and full duplex. If this restores communication with the IRC, do nothing further: you can continue to use the -FD version.
- If changing the switch setting does not restore communication, or if the switch to which the IRC is connected is unmanaged, make a direct connection from your laptop to the IRC in order to regain communication with it, and then install the half duplex firmware.

Version History

Versions 260501-FD and 260501-HD

Reader compatibility

This version is compatible with readers running all firmware versions.

New features

None.

Bug fixes

- Fixed issue to allow optional ResourceID attribute in ResourceFile element in RPL.
- Corrected memory allocation issue that prevented the transmission of more than two caption languages.

Known issues with this version

None.

Versions 240901-FD and 240901-HD

Reader compatibility

This version is compatible with readers running all firmware versions.

New features

- Created separate full and half duplex versions.

Bug fixes

None.

Known issues with this version

None.

Version 231221

Reader compatibility

This version is compatible with readers running all firmware versions.

New features

None.

Bug fixes

- Fixed a bug whereby the factory default IP address was not being loaded when restore button is pressed after boot.

Known issues with this version

- Only available in half duplex.

Version 230321**Reader compatibility**

This version is compatible with readers running all firmware versions.

New features

- Changed QSC branding to MiT in the web UI.
- Added the ability to transmit live captions from a text file.

Bug fixes

- Fixed an issue whereby a lease set by a Sony DCP server caused an immediate lease timeout.

Known issues with this version

- Only available in half duplex.

Pre-MiT Versions

These notes only cover firmware versions released since MiT acquired this product and took over its production and maintenance in August 2022. All firmware versions released by MiT will work with all caption readers, regardless of their firmware version. However, caption readers with firmware versions 200601 and later may not work with IRCs on versions earlier than 200601. For further information, please refer to MiT technical bulletin R000242, which is available on request from service@movingimagetech.com.