

MGW 3100 v2.1 Release Notes

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1. New Features since MGW 3100 v2.0
2. Features unsupported in v2.1
3. Installation Notes
4. Problems fixed in v2.1
5. Known Issues in v2.1

1. New Features since MGW 3100 v2.0

- SNMP-compliant Element Management System (EMS) for remote management.
- Graphical User Interface (GUI) based EMS supports both Windows NT 4.0 and Windows 2000 Professional.
- Multiple DVB-ASI interface support
- Multiple Network Interface Card (NIC) support.
- Persistent channel configuration.
- Significantly improved throughput performance.
- Destination IP addresses and port numbers are individually configurable for each stream. This applies to both unicast and multicast streams.
- Optional Gigabit Ethernet NIC (GNIC) support.

2. Features unsupported in v2.1

- PID filtering mode.
- Demultiplexing in RTP format.
- 204-byte packets.

3. Installation Notes

- Previous versions of the MGW 3100 EMS and/or the MGW 3100 Session Manager (management software for MGW 3100 v2.0) must be uninstalled from the Management PC prior to the installation of MGW 3100 EMS v2.1.
- MGW 3100 v2.1 units run SNMP v2c and MediaPump Driver v4.2.3.

For instructions on how to install the MGW 3100 v2.1 EMS on the Management PC, refer to MGW 3100 v2.1's User's Manual.

4. Problems fixed in v2.1

- Corrected inability to configure a multicast IP address and port number individually for each stream.
- Corrected inability of management software to regain control of transmitter and receiver when the network connection is lost.
- Corrected inability to control receiving interfaces without having a transmitting interface configured.
- Corrected inability to send multiple unicast streams to the same IP address.
- Corrected inability to start and stop each stream individually.

5. Known Issues in v2.1

- Occasional packet losses may occur if the bit-rate is high relative to the network's capacity. This is a network performance issue that is independent of the MGW 3100.
- Demux mode transmissions will not succeed if the stream does not contain valid MPEG-2 PAT/PMT tables. This is a content creation issue that is independent of the MGW 3100.
- Improper channel transition procedures (e.g., adding, modifying, deleting) may result in improper unit operation. Please refer to the Adding Channels and Editing Channel Profiles section of the MGW 3100 v2.1 User Manual for details of the recommended procedures.