



Anti-Virus Measures for Instruments with Windows Operating System

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1 Introduction

We take measures to protect Anritsu instruments that run Windows operating systems from computer viruses. This white paper provides ways of protecting your instrument from computer viruses.

- * This paper provides only Anritsu's recommended anti-virus measures and is not intended to force customers to take measures against computer viruses. Please decide whether or not to adopt the recommended measures, depending on the customer's situation.

Note that some models do not support the measures introduced herein.

For more information on the anti-virus measures, refer to the operation manual that came with the instrument.

2 Anritsu's Effort

Anritsu is making a continuous effort to maintain and enhance information security through its information security management system.

As measures against computer viruses, we have configured Windows Firewall settings and installed anti-virus software on all client PCs and servers used within Anritsu office and always keep the virus definitions of anti-virus software to the latest version. Additionally, we are concentrating on managing the application of security patches for high-risk software and implementing initiatives for applying newly updated software to all PCs within a week after it becomes available. Anritsu has established security management regulations for the entire process from developing and manufacturing to maintaining instruments, and conducts security training for all Anritsu personnel.

In addition to the actions mentioned above, instruments will never be connected to the LAN in Anritsu before shipment. Also, customers' instruments are scanned when Anritsu receives them.

3 Anti-Virus Measures by Customer

The customer is required to take appropriate measures to protect the instrument from virus infection when using it.

Scan an external storage device (e.g. USB memory stick) for computer viruses before connecting it to the instrument. Make sure that the measures have been taken to protect a network from computer viruses when connecting the instrument to it.

The recommended measures to protect the instrument from virus infection are:

- To turn on Windows Firewall on the instrument
- To regularly install critical Windows Updates
- To regularly scan the instrument with anti-virus software

3.1. Configuring Windows Firewall Settings

When your Anritsu's instrument is equipped with Windows 7 or later operating system, it is recommended to turn on Windows Firewall to protect it from attacks via the network. For how to configure the firewall settings, refer to the operation manual that came with the instrument.

3.2. Installing Windows OS Updates

When your Anritsu's instrument is equipped with Windows 7 or later operating system, it is recommended to install critical Windows Updates.

Note that the performance of the instrument could decrease while downloading and installing Windows Updates. It is recommended to manually download and install Windows Updates on a regular basis, avoiding the operating hours of the instrument.

Anritsu periodically checks for proper operation of the instruments to which Windows Updates have been installed. For information on operation-checked Windows Updates, refer to the latest release notes of each model.

3.3. Anti-Virus Software

When your Anritsu's instrument is equipped with Windows 7 or later operating system, it is recommended to regularly scan the instrument with installed anti-virus software. Also, it is important to regularly update the virus definition files to keep the latest virus definitions.

Note that the performance of the instrument could decrease if anti-virus software updates virus definition data automatically or runs full scan in the background. It is recommended to manually update virus definition data and run full scan on a regular basis, avoiding the operating hours of the instrument. For information on anti-virus software that has been checked for proper operation on each model, refer to the operation manual that came with the instrument.

It is recommended to use anti-virus software installed on a separate computer or a USB-drive shaped anti-virus tool for scanning Anritsu's instruments equipped with Windows XP or Windows Embedded Standard 2009.

4 In Case of Virus Infection on Instrument

If virus infection is detected when you are using the instrument, it is recommended to initialize the instrument to the factory default settings to ensure a recovery. You can initialize the instrument by yourself if the model has the system recovery feature.

Caution

Initialization will lose all the applications, updates and data added after factory shipment. Create a backup of necessary data before initialization.

Some models of Anritsu's instruments equipped with Windows XP or Windows Embedded Standard 2009 do not have the system recovery feature.

If you want to initialize these models to the factory default settings, contact an Anritsu Service and Sales office.

- **United States**

- **Anritsu Company**

450 Century Parkway, Suite 190, Allen,
TX 75013 U.S.A.
Toll Free: +1-800-267-4878
Phone: +1-972-644-1777

- **Canada**

- **Anritsu Electronics Ltd.**

700 Silver Seven Road, Suite 120, Kanata,
Ontario K2V 1C3, Canada
Phone: +1-613-591-2003
Fax: +1-613-591-1006

- **Brazil**

- **Anritsu Eletronica Ltda.**

Praça Amadeu Amaral, 27 - 1 Andar
01327-010 - Bela Vista - Sao Paulo - SP
Brazil
Phone: +55-11-3283-2511
Fax: +55-11-3288-6940

- **Mexico**

- **Anritsu Company, S.A. de C.V.**

Bldv Miguel de Cervantes Saavedra #169 Piso 1, Col. Granada
Mexico, Ciudad de Mexico, 11520, MEXICO
Phone: +52-55-4169-7104

- **United Kingdom**

- **Anritsu EMEA Ltd.**

200 Capability Green, Luton, Bedfordshire, LU1 3LU, U.K.
Phone: +44-1582-433200
Fax: +44-1582-731303

- **France**

- **Anritsu S.A.**

12 avenue du Québec, Bâtiment Iris 1- Silic 612,
91140 VILLEBON SUR YVETTE, France
Phone: +33-1-60-92-15-50
Fax: +33-1-64-46-10-65

- **Germany**

- **Anritsu GmbH**

Nemetschek Haus, Konrad-Zuse-Platz 1
81829 München, Germany
Phone: +49-89-442308-0
Fax: +49-89-442308-55

- **Italy**

- **Anritsu S.r.l.**

Via Elio Vittorini 129, 00144 Roma, Italy
Phone: +39-6-509-9711
Fax: +39-6-502-2425

- **Sweden**

- **Anritsu AB**

Isafjordsgatan 32C, 164 40 KISTA, Sweden
Phone: +46-8-534-707-00

- **Finland**

- **Anritsu AB**

Teknobulevardi 3-5, FI-01530 VANTAA, Finland
Phone: +358-20-741-8100
Fax: +358-20-741-8111

- **Denmark**

- **Anritsu A/S**

Torveporten 2, 2500 Valby, Denmark
Phone: +45-7211-2200
Fax: +45-7211-2210

- **Russia**

- **Anritsu EMEA Ltd.**

- **Representation Office in Russia**

Tverskaya str. 16/2, bld. 1, 7th floor.
Moscow, 125009, Russia
Phone: +7-495-363-1694
Fax: +7-495-935-8962

- **Spain**

- **Anritsu EMEA Ltd.**

- **Representation Office in Spain**

Edificio Cuzco IV, Po. de la Castellana, 141, Pta. 5
28046, Madrid, Spain
Phone: +34-915-726-761
Fax: +34-915-726-621

- **United Arab Emirates**

- **Anritsu EMEA Ltd.**

- **Dubai Liaison Office**

902, Aurora Tower,
P O Box: 500311- Dubai Internet City
Dubai, United Arab Emirates
Phone: +971-4-3758479
Fax: +971-4-4249036

- **India**

- **Anritsu India Private Limited**

6th Floor, Indiqube ETA, No.38/4, Adjacent to EMC2,
Doddanekundi, Outer Ring Road, Bengaluru – 560048, India
Phone: +91-80-4058-1300
Fax: +91-80-4058-1301

- **Singapore**

- **Anritsu Pte. Ltd.**

11 Chang Charn Road, #04-01, Shiro House
Singapore 159640
Phone: +65-6282-2400
Fax: +65-6282-2533

- **P.R. China (Shanghai)**

- **Anritsu (China) Co., Ltd.**

Room 2701-2705, Tower A,
New Caohejing International Business Center
No. 391 Gui Ping Road Shanghai, 200233, P.R. China
Phone: +86-21-6237-0898
Fax: +86-21-6237-0899

- **P.R. China (Hong Kong)**

- **Anritsu Company Ltd.**

Unit 1006-7, 10/F., Greenfield Tower, Concordia Plaza,
No. 1 Science Museum Road, Tsim Sha Tsui East,
Kowloon, Hong Kong, P.R. China
Phone: +852-2301-4980
Fax: +852-2301-3545

- **Japan**

- **Anritsu Corporation**

8-5, Tamura-cho, Atsugi-shi, Kanagawa, 243-0016 Japan
Phone: +81-46-296-6509
Fax: +81-46-225-8352

- **Korea**

- **Anritsu Corporation, Ltd.**

5FL, 235 Pangyoeyeok-ro, Bundang-gu, Seongnam-si,
Gyeonggi-do, 13494 Korea
Phone: +82-31-696-7750
Fax: +82-31-696-7751

- **Australia**

- **Anritsu Pty. Ltd.**

Unit 20, 21-35 Ricketts Road,
Mount Waverley, Victoria 3149, Australia
Phone: +61-3-9558-1877
Fax: +61-3-9558-8255

- **Taiwan**

- **Anritsu Company Inc.**

7F, No. 316, Sec. 1, NeiHu Rd., Taipei 114, Taiwan
Phone: +886-2-8751-1816
Fax: +886-2-8751-1817