

WIRELESS AT WORK

SpectraLink

## LINK WIRELESS TELEPHONE SYSTEM REGULATORY GUIDE



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## Introduction

Your Link Wireless Telephone System (Link WTS) is a state-of-the-art business communication system that provides wireless telephone communication with the advanced features of your private telephone system. Base Stations installed throughout the facility transmit signals between the wireless telephones (handsets) and the Master Control Unit (MCU). The MCU routes calls between the Base Stations and the PBX. Handsets will not operate outside the area covered by this system.

### About This Guide

This guide is meant to provide regulatory information about the Link WTS. Additional documents are available for information about the Link WTS.

### Registered Model Numbers

Link 150: SCA416, SCA408, SCA516, SCC408, SCC416, SCD408, SCD416, SCE408, SCE416, SCF408, SCF416, SCI408, SCI416, SCJ408, SCJ416, SCK408, SCK416, SCL408, SCL416, SCM408, SCM416, SCN408, SCN416, SCO416, SCS416, SCT416, SCX416

Link 3000: JPI300, MCS300

Link Wireless Telephone: 602X

Link Base Stations: RCC400, RCO400, RCU100, RCU200, RCU201

Link OAI Gateway: MOG400

Chargers: PCS1850, PCD1850, PCQ1850

Battery Packs: PBP0850, PBP1300, PBP1850

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## Link 3000 MCU

### FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Registration Number: IYGUSA-33400-PX-E

This equipment complies with Part 68 of the FCC Rules. On the back of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be given to the telephone company.

This equipment uses RJ-21 connectors.

Ringer Equivalence:

Link 3000: 0.3B

SpectraLink Corporation

Link 3000

Made in the USA

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all, areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the telephone service may discontinue your service temporarily. If possible, they will notify you in advance. But if advance

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notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

If you experience trouble with this telephone equipment, please contact SpectraLink Corporation for information on obtaining service or repairs.

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support@spectralink.com

The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. There are no user serviceable parts in this equipment.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

## Industry Canada (IC) Notice

The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational, and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by a user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides as indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices.

REN            0.3B

Registration Number IC: 2128-9508 A

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## Link 150 MCU

### FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Registration Number: IYGUSA-33816-PX-E

This equipment complies with Part 68 of the FCC Rules. On the back of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be given to the telephone company.

This equipment uses RJ-21 connectors.

Ringer Equivalence:

Link 150 Model 3: 0.3B

SpectraLink Corporation

Link 150 MCU

Made in the USA

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all, areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the telephone service may discontinue your service temporarily. If possible, they will notify you in advance. But if advance

notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact SpectraLink Corporation for information on obtaining service or repairs.

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support@spectralink.com

The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. There are no user serviceable parts in this equipment.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

## Industry Canada (IC) Notice

The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational, and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by a user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides as indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices.

REN            0.3B

Registration Number IC: 2128 9760 A

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## Base Stations

### FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with Part 68 of the FCC rules. These units bear a label that contains the FCC registration number and ringer equivalence number (REN). If requested, this information must be provided to the telephone company.



SpectraLink recommends the use of shielded cable for all external signal connections in order to maintain FCC Part 15 emissions requirements.

### Industry Canada (IC) Notice

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Certification Number IC: 2128K1373 3 17

## Link 6020 Wireless Telephones

### **FCC Information**

The Link 6020 Wireless Telephone is certified as model number 602X.

FCC registration number Link 602X: IYG602X

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Industry Canada (IC) Notice**

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Certification Number IC: 2128B-602X

## International Certification Marks

Canada



CAN/CSA-C22.2  
No. 60950

United States



UL 60950

TUV Rheinland of North America is a Nationally Recognized Testing Laboratory (NRTL) in the United States and is accredited by the Standards Council of Canada to test and certify products to Canadian National Standards. Clients can demonstrate compliance for both U.S. and Canadian markets through a single mark (cTUVus) on their product(s) which denotes compliance to U.S. and Canadian National Standards.

United States



Part 15, Part 68, IYG602X

## Specific Absorption Rate (SAR) Information

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- ANSI C95.1 (1992) American National Standards Institute
- NCRP—Report 86 (1986) National Council on Radiation Protection and Measurements
- ICNIRP (1996) International Commission on Non-Ionizing Radiation Protection;
- DHWC—Safety Code 6 Department of Health and Welfare Canada

Those standards were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.<sup>1</sup> Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is

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1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.



because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID IYG602X. Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at <http://www.fcc.gov/cgb/sar/>.

The only authorized headsets that may be utilized with the 602X are those obtainable from SpectraLink or its reseller partners.

The maximum measured SAR levels of the Link 602X Wireless Telephone are:

Body (0.223 mW/g) and

Head (0.463 mW/g), 902.4817 to 927.4826 MHz.



#### Handset Operation Normal Position

Hold the handset as you would any other telephone, with the earpiece to your ear and speak into the microphone. The internal antenna is then positioned properly.



### Handset Operation Body-Worn Position

To maintain compliance with RF energy exposure guidelines, if you wear a handset on your body when transmitting, always use the handset with a SpectraLink-supplied accessory as described in the user guide for this handset. SpectraLink supplies belt clips, holsters and lanyards for body worn operation. Use of accessories not supplied by SpectraLink may cause the handset emissions to exceed RF energy exposure guidelines.

## Chargers

Link Chargers are only authorized for use in the U.S. and Canada. The correct power supply for your charger will be provided with the charger.

P/N 72-1203-00 Rev. A

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