ICOM

INSTRUCTIONS

CHANNEL EXTENSION MODULE

UR−FR6100

Thank you for purchasing the UR-FR6100 CHANNEL EXTENSION MODULE.
Please read these instructions and repeater's instruction manual carefully before installation and operation.

SUPPLIED ACCESSORIES

① DC power cable 1
② Control cable..1
③ Angles..2
④ Screws (M4×8 mm)..4
⑤ Set screws (M3×6 mm)..4
⑥ Tapping screws (M3×8 mm).................................2

OPENING CASE

① Remove 7 screws from top and 2 screws each from both sides of the repeater, then slide off the top cover to the direction of the arrow as illustration below.
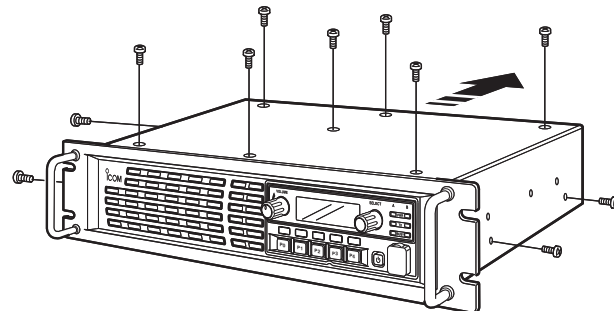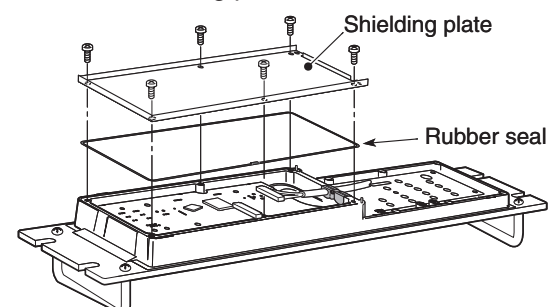

② Remove 3 screws from bottom and 2 screws each from both sides of the repeater.
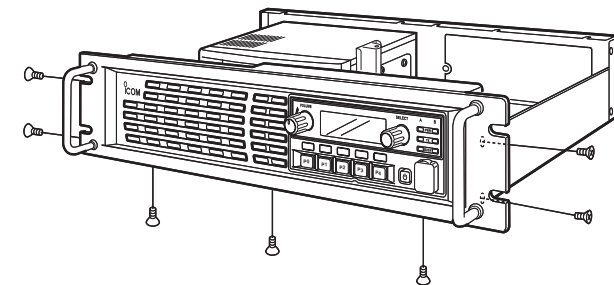
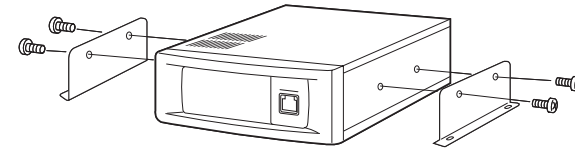③ Disconnect the control cable from the channel module (original), then remove the front panel.

Channel module (original)
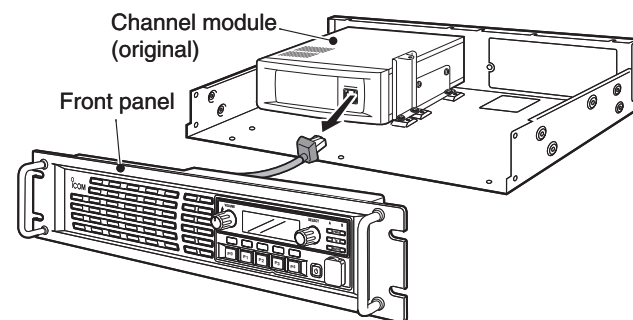
Front panel

④ Remove 6 screws from the front panel, then remove the shielding plate and rubber seal.

Shielding plate

Rubber seal

INSTALLATION

• Install the UR-FR6100 (channel extension module)

① Attach the supplied angles to both sides of the channel extension module, and tighten the 2 supplied screws (M4×8) on each side.


② Install the channel extension module using the supplied screws (Tapping screws: M3×8, Set screws: M3×6) as shown below.
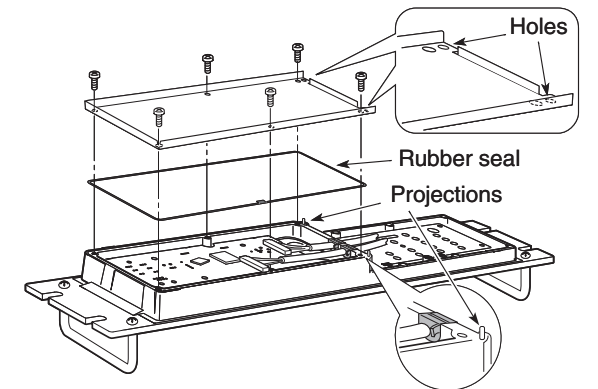
Set screws

Channel extention module

Tapping screws

Channel module (original)
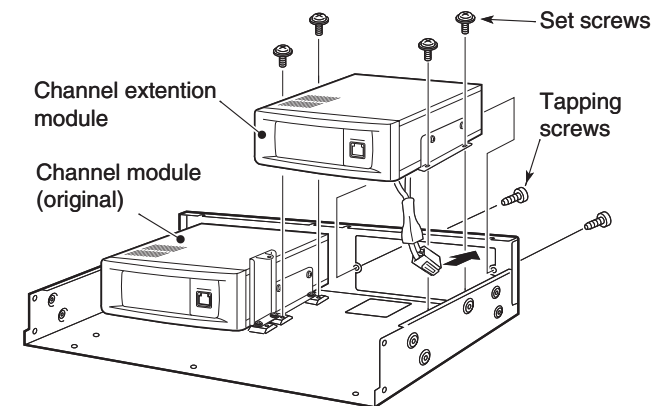
• Connect the control cable

① Connect the supplied control cable to J502 on the front board as shown below.
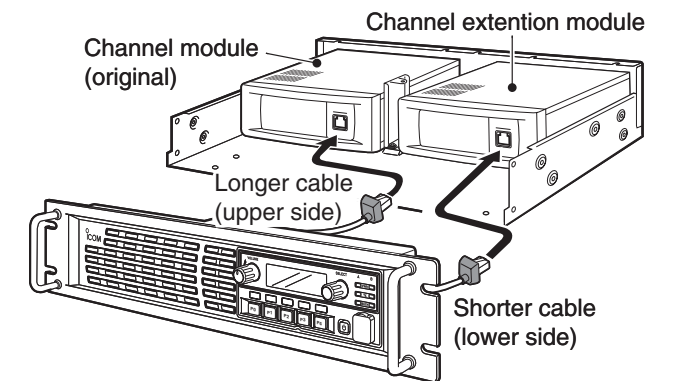② Cut the rubber caps of the control cables, then insert the rubber caps to the front panel's chassis as shown below.

① J502

②
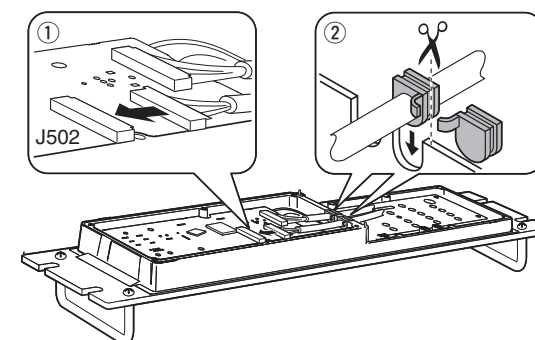
ASSEMBLE THE UNIT

① Replace the rubber seal and shielding plate of the front panel, then tighten the 6 screws.
• Make sure the rubber seal is properly seated in the groove of the chassis.
• Be sure to match the correct positions of the holes of the shielding plate and projections of the front panel's chassis.

Holes

Rubber seal

Projections

② Connect the control cables to the channel modules.

Channel extention module

Channel module (original)

Longer cable (upper side)

Shorter cable (lower side)

③ Return the front panel, top cover and screws to their original positions.
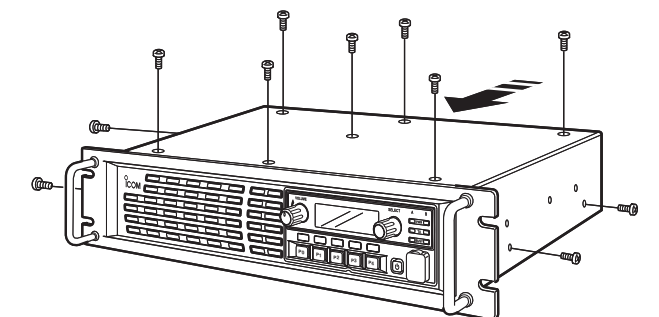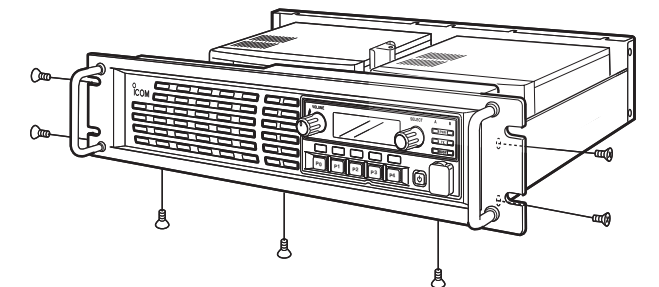
$C\ \epsilon$ CE Versions of the UR-FR6100 which display the "CE" symbol on the serial number seal, comply with the essential requirements of the European Radio and Telecommunication Terminal Directive 1999/5/EC.

$\textcircled{!}$ This warning symbol indicates that this equipment operates in non-harmonised frequency bands and/or may be subject to licensing conditions in the country of use. Be sure to check that you have the correct version of this radio or the correct programming of this radio, to comply with national licensing requirement.

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DECLARATION OF CONFORMITY

We Icom Inc. Japan
1-1-32, Kamiminami, Hirano-ku
Osaka 547-0003, Japan

Declare on our sole responsibility that this equipment complies with the essential requirements of the Radio and Telecommunications Terminal Equipment Directive, 1999/5/EC, and that any applicable Essential Test Suite measurements have been performed.

Kind of equipment: UHF REPEATER

Type-designation: IC−FR6100/UR−FR6100
400–470 MHz 6.25 kHz/12.5 kHz/25 kHz
400–470 MHz 6.25 kHz/12.5 kHz/20 kHz

Version (where applicable):

This compliance is based on conformity with the following harmonised standards, specifications or documents:

i) EN 301 489-1 v1.4.1 (August 2002)
ii) EN 301 489-5 v1.3.1 (August 2002)
iii) EN 300 086-2 v1.2.1 (March 2001)
iv) EN 301 166-2 v1.1.1 (December 2001)
v) EN 300 219-2 v1.1.1 (March 2001)
vi) EN 300 113-2 v1.3.1 (December 2003)
vii) EN 60950-1: 2001
viii) EN 50385: 2002

$C\ \epsilon 0168\ \textcircled{!}$

Düsseldorf 25th Feb. 2008
Place and date of issue

Icom (Europe) GmbH
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Authorized representative name

Y. Furukawa
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Signature

Icom Inc.

< Intended Country of Use >
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☐RO ☐TR ☐HR

• List of Country codes (ISO 3166-1)

	Country	Codes		Country	Codes
1	Austria	AT	18	Liechtenstein	LI
2	Belgium	BE	19	Lithuania	LT
3	Bulgaria	BG	20	Luxembourg	LU
4	Croatia	HR	21	Malta	MT
5	Czech Republic	CZ	22	Netherlands	NL
6	Cyprus	CY	23	Norway	NO
7	Denmark	DK	24	Poland	PL
8	Estonia	EE	25	Portugal	PT
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13	Hungary	HU	30	Sweden	SE
14	Iceland	IS	31	Switzerland	CH
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