OLLI @ GMU
AV Support committee

October 11, 2011

Audio Arrangements for a Webinar in TA1

Background: On October 12th and 19th, at the Investment Forum sessions, the primary presentation will feature a webinar by Don Cassidy, originating in Denver Colorado.

Key Equipment: The Phonic AM442D mixer is owned jointly by OLLI, WACUG and NCTCUG. The latter two organizations are computer user groups which share members-in-common with OLLI. They have been cooperating with OLLI in joint investigations of methods to share presentations / classes and meetings between two or more sites. Manual:
http://www.olligmu.org/~finforum/private/olliav/phonicam442d_am642d_manual.pdf

Theory: The AM442 has the capability of having several sound paths, or busses, of different program material pass through and being controlled (audio level, equalization, etc.) by the mixer, without audible crosstalk between the different signal paths.

Other Equipment: Laptop computer, equipped with web cam and Internet connection, and any necessary downloads of client software required by this presentation using Instant Presenter. (Skype software has been used for other webinars.) Road Show II equipment case, containing a Phonic PM801 Mixer, and 3 Audio Technica Wireless Microphone receivers (designated #4, 5, 6). Wired handheld microphone. 2 wireless microphone bodypak transmitters. 2 wireless handheld microphones. Connecting cables – See cable list.

Operational Overview:

- The speaker/line output of the laptop, which will consist of the audio presentation by our remote instructor, will be routed through the AM442, and sent to the classroom instructor speech / PA amplifier, via Input One (padded) of the Bogen GS60 amplifier. This is indicated on the accompanying diagram as cable 5, in green.

- Microphones will (except as noted) route through the Road Show II kit.

    - The "MC" will utilize bodypak transmitter & receiver #6, which will connect thru the PM801 mixer via cable 1 (red) to the AM442's Mic 1 line input.

    - Rooms's handheld microphone will be disconnected from the wall plate XLR jack, and connected (cable 7, red) to the AM442's Mic 2 XLR input jack, for use as necessary.

    - A handheld wireless microphone will connect to receiver #5, and used to transmit audience comments to the remote instructor.

- The AM442 Main Output Left will connect via cable 4 (red) to the XLR jack for Mic 1 of the Bogen PA amp (or via the XLR jack on the wall at the front of TA1, in which case, its volume / gain is controlled by input 6's volume control.) This connects to input #6 of the Bogen PA amplifier at the rear of the room.

- The AM442 Group 1 L/R output (stereo) will connect via cable 3 (magenta) to the Mic input of the laptop.

Version 3, October 11, 2011

Audio Arrangements for a Webinar
Cable Run List

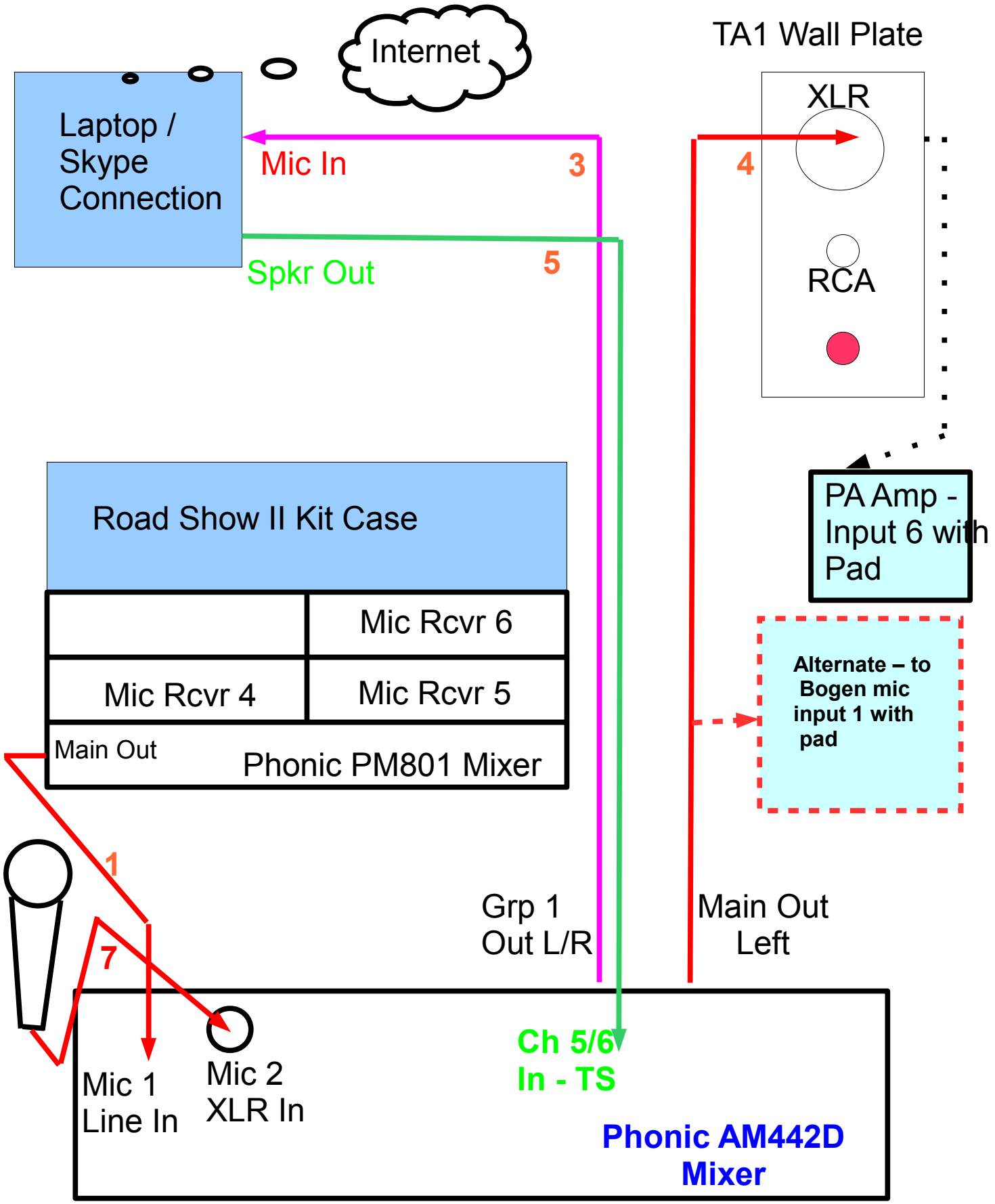
Cable #	Originating End		Terminating End	
1	1/4” Male TS	PM801 Output	1/4” Male TS	AM442 Mic 1 Line In
2				
3	Dual 1/4” Male TS	AM442 Grp 1 L / R Out	3.5mm Male TRS	Laptop Mic In
4	XLR Female	AM442 Main Out - Left	XLR Male	Bogen PA amp Mic 1 In – With Pad
5	3.5mm Male TRS	Laptop Spkr / Line Out	Dual 1/4” Male TS	AM442 Channel 5/6 In
6				
7	XLR Female	H/H Mic Output	XLR Male	AM442 Mic 2 In

Version 3, October 11, 2011

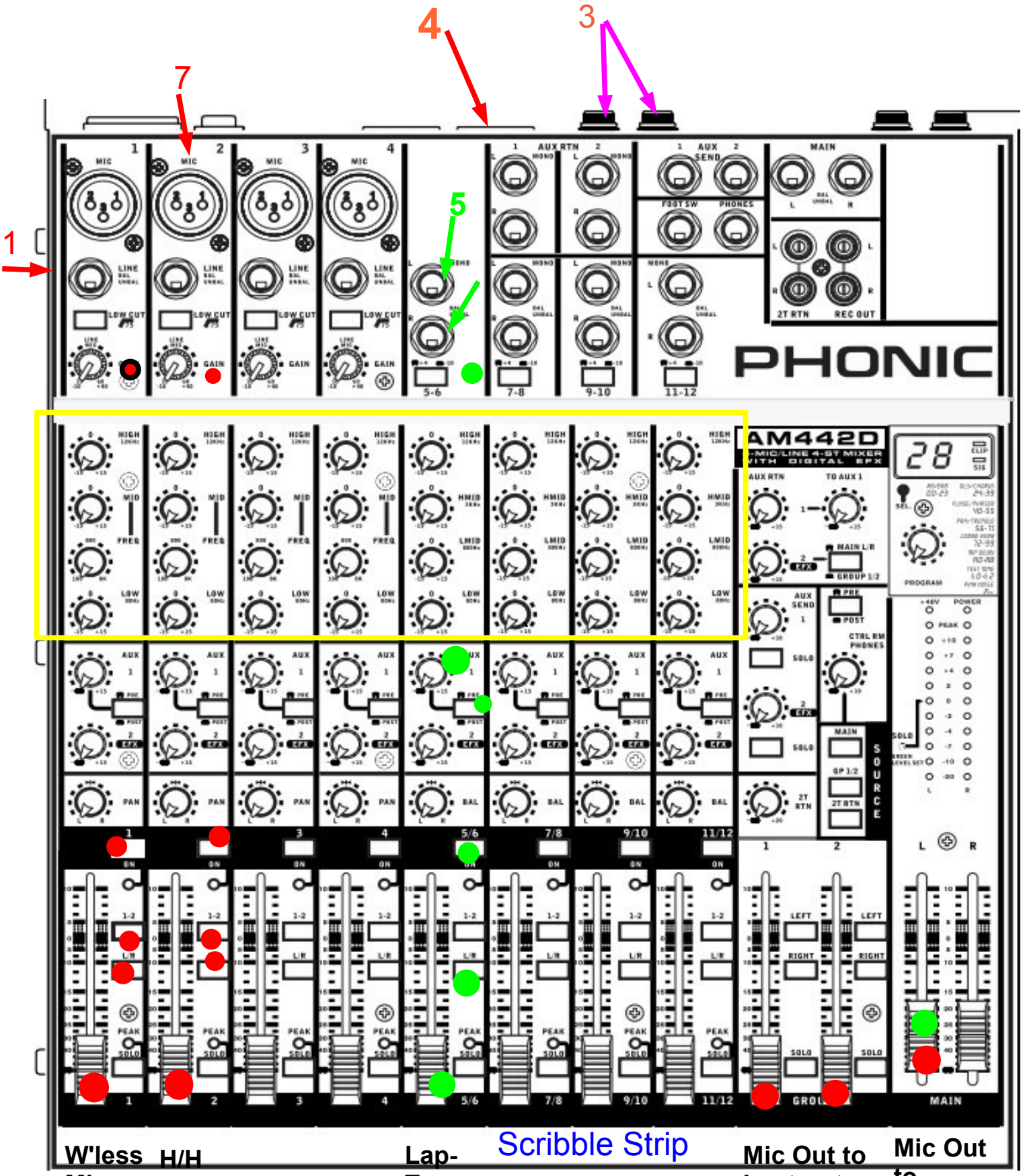
Audio Arrangements for a Skype Webinar in TA1
AM442D Mixer settings

Channel	1	2	3	4	- 5/6-	Group 1 Out	Main Out Left
Microphone		X					
Line	X				X - L / R		
Low Cut	Out	Out					
Gain	80.00%	80.00%			(Out) +4 (toggle as needed to adjust inc level from laptop)		
High	12 o'clock	12 o'clock			12 o'clock		
Mid	12 o'clock	12 o'clock			12 o'clock		
Freq	12 o'clock	12 o'clock			12 o'clock		
Low	12 o'clock	12 o'clock			12 o'clock		
Aux 1	Min	Min			80.00%		
Aux 2	Min	Min			Min		
Pre Post					Post		
EFX	Min	Min			Min		
Pan / Bal	Min L	Min L			Mid		
On	IN	IN	OUT	OUT	IN		
'1-2'	IN	IN	OUT		Out		
L/R	IN	IN	OUT		Out		
Solo	OUT	OUT	OUT		Out		
Slider	X	X			X	X	X

Version 3, October 11, 2011



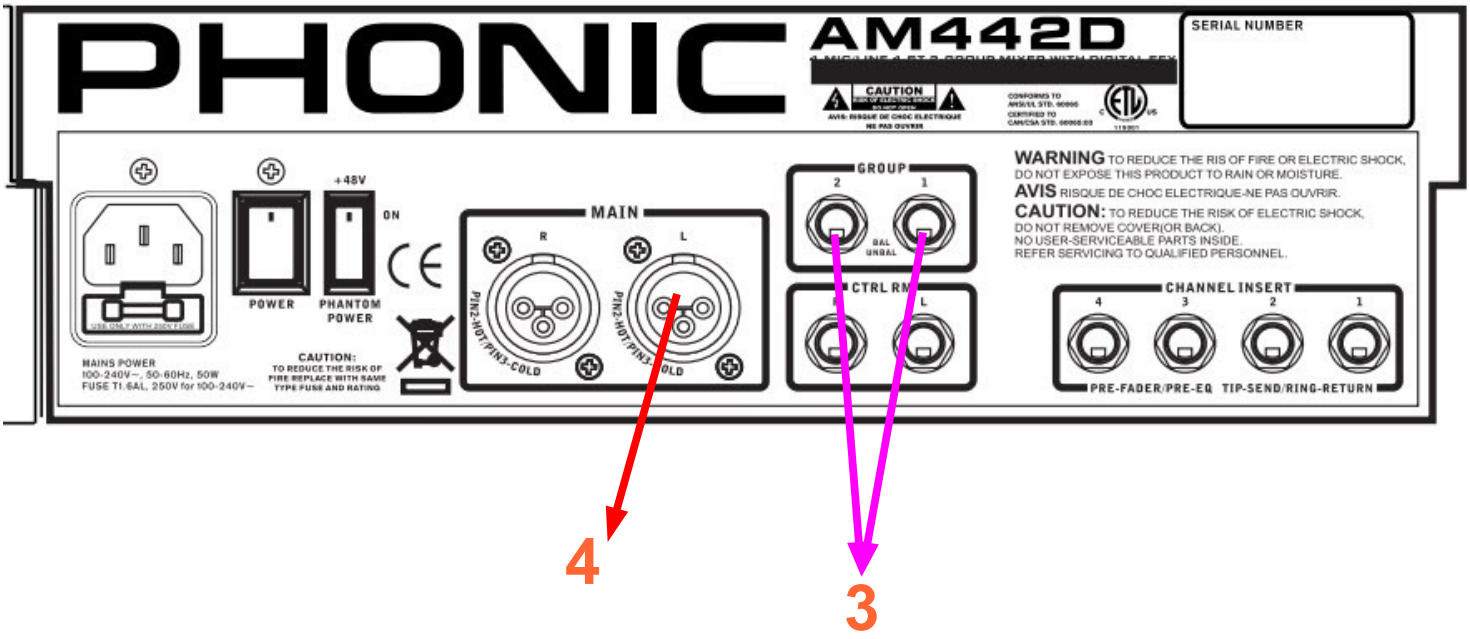
Conceptual Diagram – Webinar Audio Connection at OLLI – TA1 or TA3 (version 3 10/11/11)



W'less Mics **H/H Mic** **Lap-Top audio** **Mic Out to Laptop-to far end** **Mic Out to Room**

Set Equalization controls (yellow) at midpoint

(version 3, 11/10/11)


PHONIC
AM442D
SERIAL NUMBER
CAUTION
POWER
PHANTOM POWER
+48V
ON
MAIN
R
L
GROUP
2
1
BAL
UNBAL
CTRL RM
CHANNEL INSERT
4
3
2
1
PRE-FADER/PRE-EQ
TIP-SEND/RING-RETURN
WARNING TO REDUCE THE RIS OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
AVIS RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER(OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.
MAINS POWER
100-240V~, 50-60Hz, 50W
FUSE T1.6AL, 250V for 100-240V~
CAUTION:
TO REDUCE THE RISK OF FIRE REPLACE WITH SAME TYPE FUSE AND RATING
4
3