

# Preface

Digital television (DTV) and Smart TVs (STV) have become ubiquitous in many parts of the world, enabling a wide range of applications. Smart TV security, however, is still in its infancy and lags behind the security of personal computers. The combination of DTV and insecure STVs has far-reaching implications for the privacy of consumers, but also affects broadcasters and vendors.

This book picks up on the current state of research on DTV and STV security, including novel results from theory and practice. A special focus is on the security of broadcast-related digital services and the media playback component of STVs. The book is written to be a useful resource for anyone interested in this field, particularly students, researchers, and professionals, but also for consumers in general.

Chapter 1 gives an introduction into STV security and presents several attack vectors. This is followed by Chap. 2, which presents attacks against the media playback system of STVs. Chapter 3 presents attacks against STVs that are carried out over the broadcast channel and evaluates their applicability in practice. Finally, Chap. 4 discusses the implications for consumers, vendors, and broadcasters.

I would like to thank everyone who reviewed the manuscript for their valuable feedback, especially Alexander Adolf from Condition-ALPHA, but also those who wished to remain anonymous. Then I would like to thank those responsible at the HbbTV consortium, the DVB-TM-T group, and also the security team from Samsung, for having taken these issues seriously, for helpful discussions, and for the constructive collaboration on improving the security of these systems. My gratitude goes also to my colleagues and students from TU-Berlin, who have helped in one way or the other with the research presented in this book. Last but not least, I would like to thank Prof. Jean-Pierre Seifert from the chair for Security in Telecommunications at TU Berlin, Oliver Friedrich, and the Helmholtz Research School on Security Technologies for supporting this work, and also Ronan Nugent from Springer for his assistance throughout the entire publishing process.

Berlin  
June 2015

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<http://www.springer.com/978-3-319-20993-7>

Smart TV Security

Media Playback and Digital Video Broadcast

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2015, XV, 92 p. 19 illus., 9 illus. in color., Softcover

ISBN: 978-3-319-20993-7